TA-H2600

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model

This set is the Amplifier section in MHC-2600 and FH-E737CD.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 6 ohm loads both channels driven, from 70 - 20000 Hz; rated 30 watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milliwatts to rated output.

Continuous RMS power output
30 + 30 watts (6 ohms at 1 kHz, DIN)
35 + 35 watts (6 ohms at 1 kHz, 5% THD)

Music power output
55 + 55 watts (6 ohms at 1 kHz, 10% THD)

Peak music power output
(E, Saudi Arabia model)
330 watts

Inputs
MIX MIC (minijack):
sensitivity 1 mV,
impedance 600 ohms
ADAPTOR (pin jacks)
(E, Saudi Arabia model)
sensitivity 300 mV,
impedance 47 kilohms

Outputs
HEADPHONES
(stereo minijack):
accepts headphones of 8 ohms or more
ADAPTOR (pin jacks)
(E, Saudi Arabia model)
output level 300 mV
impedance 10 kilohms

Design and specifications subject to change without notice.

MICROFILM

STEREO AMPLIFIER

SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig.A)

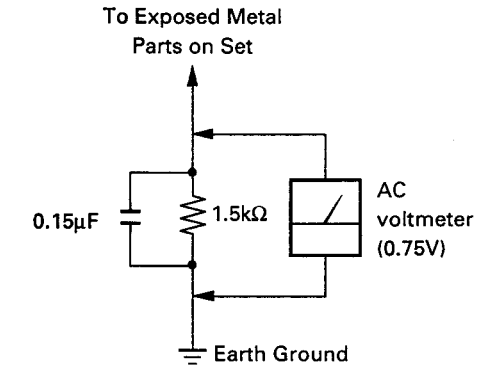


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER SES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

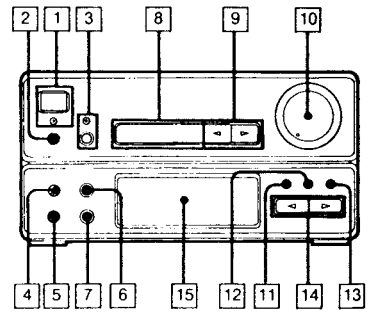
TABLE OF CONTENTS

Section	Title	Page
1.	**GENERAL**	
	Location of Controls	3
2.	**DISASSEMBLY**	**4**
3.	**DIAGRAMS**	
3-1.	Circuit Boards Location	6
3-2.	Semiconductor Lead Layouts	7
3-3.	Printed Wiring Boards - Main section -	9
3-4.	Schematic Diagram - Main section -	11
3-5.	Printed Wiring Boards - Panel, Power section -	16
3-6.	Schematic Diagram - Panel, Power section -	21
3-7.	IC Block Diagrams	25
3-8.	Pin Functions of IC501	28
4.	**EXPLODED VIEW**	**30**
5.	**ELECTRICAL PARTS LIST**	**32**

SECTION 1
GENERAL

LOCATION OF CONTROLS

This section is extracted from instruction manual.

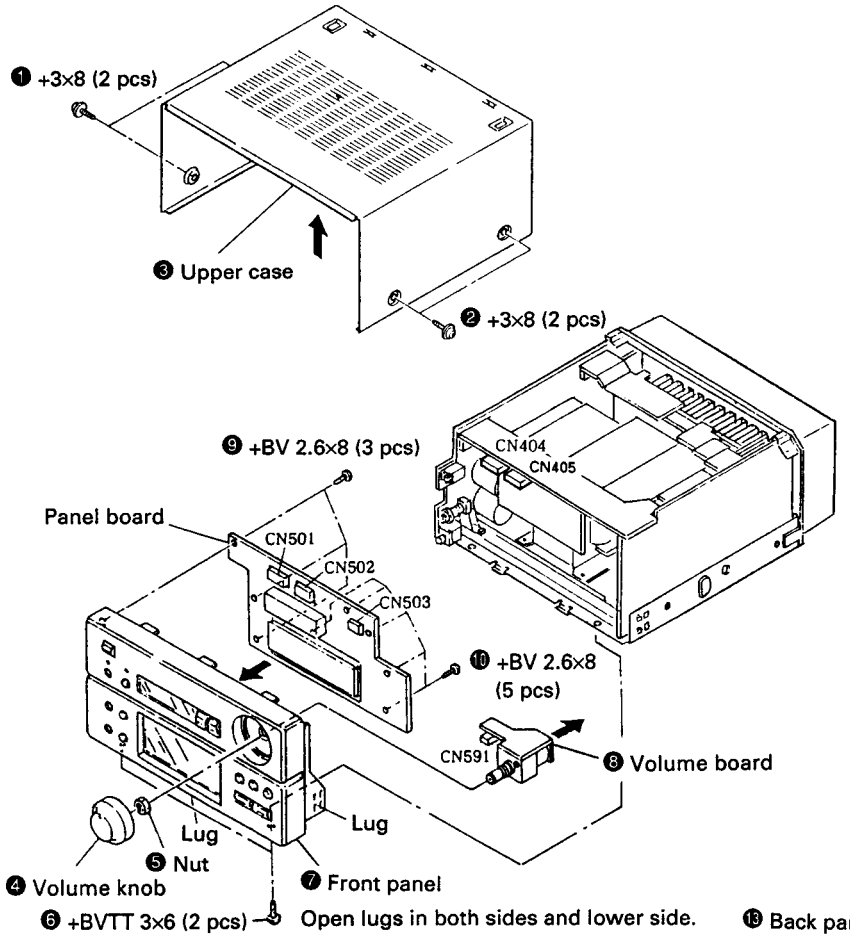


[1] SYSTEM POWER switch and STANDBY indicator
The indicator remains lit as long as the AC power cord is connected to a wall outlet.
[2] HEADPHONES jack (stereo minijack)
[3] WAKE UP button and indicator
[4] MIC (microphone) LEVEL control
[5] MIX MIC (microphone) input jack
[6] DISPLAY button
[7] DIRECT button
[8] Function indication display
[9] FUNCTION <> buttons
[10] VOLUME control
[11] EQ (equalizer) button and indicator
[12] S-SUR (simulated surround) button and indicator
[13] DBFB (Dynamic Bass Feedback) button and indicator
[14] PRESET ◁▷ buttons
[15] Display window

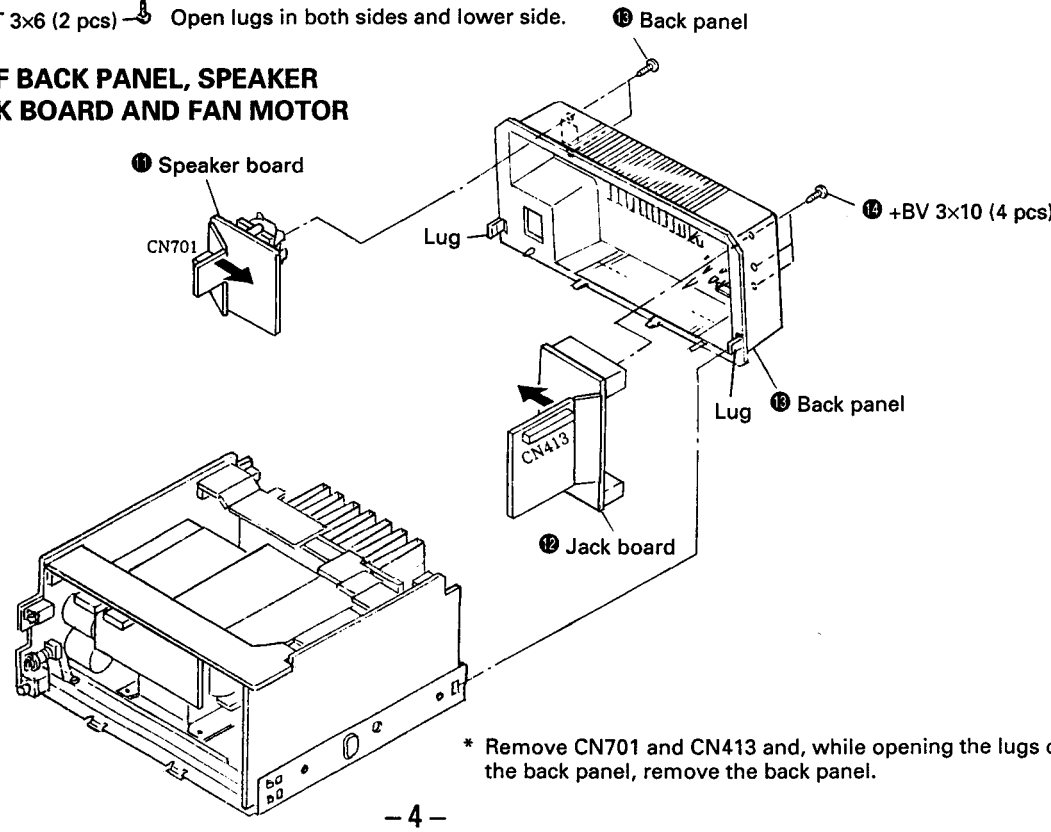
SECTION 2
DISASSEMBLY

- **Remove the following parts with the numbers in that order of the numbers.**

2-1. REMOVAL OF UPPER CASE, FRONT PANEL AND PANEL BOARD

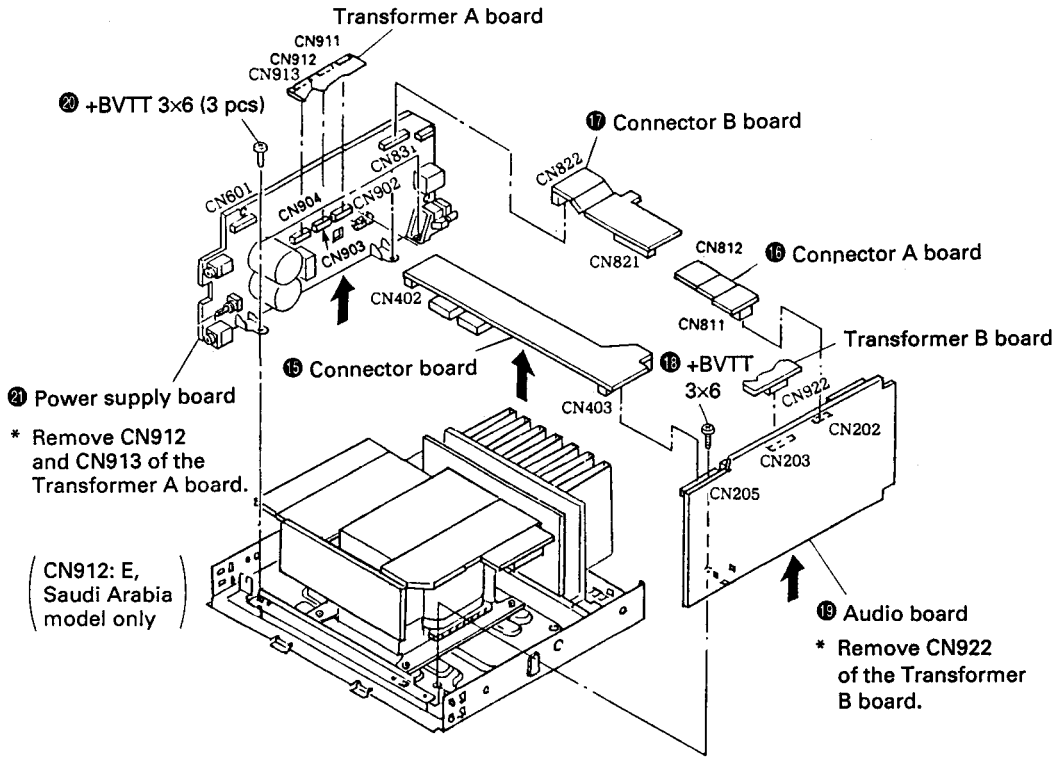


2-2. REMOVAL OF BACK PANEL, SPEAKER BOARD, JACK BOARD AND FAN MOTOR

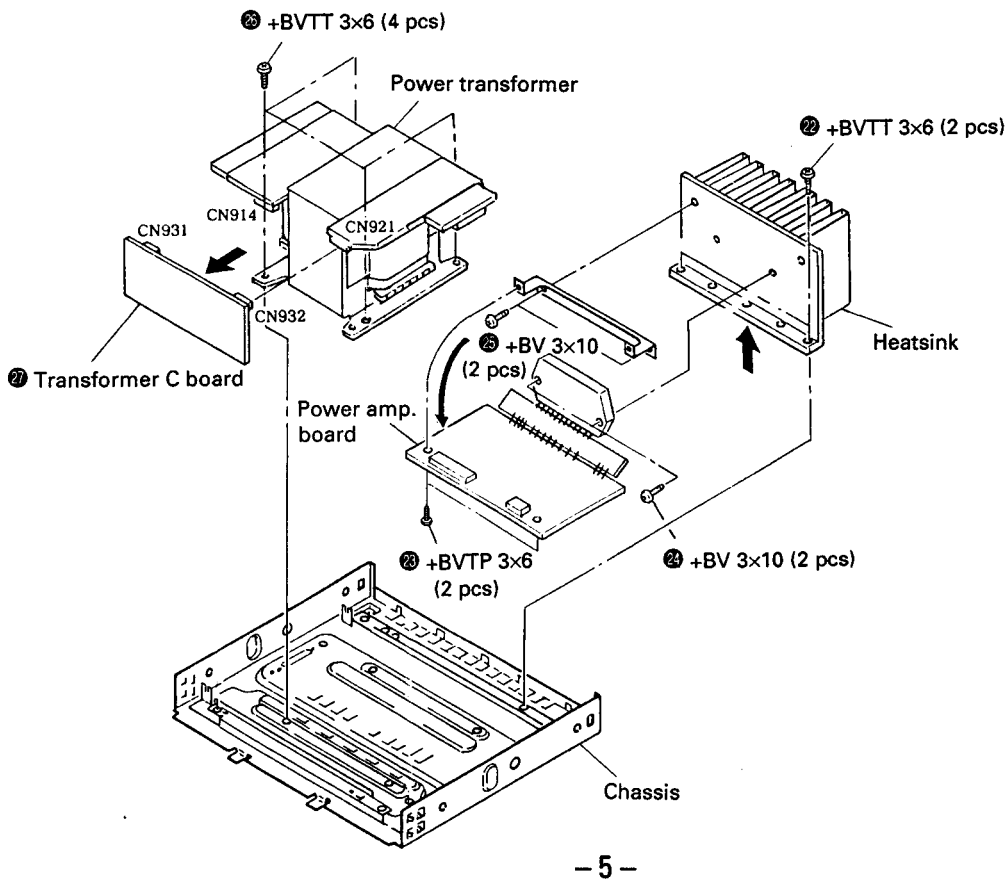


* Remove CN701 and CN413 and, while opening the lugs of the back panel, remove the back panel.

2-3. REMOVAL OF AUDIO BOARD, POWER SUPPLY BOARD, CONNECTOR BOARD AND TRANSFORMER BOARD

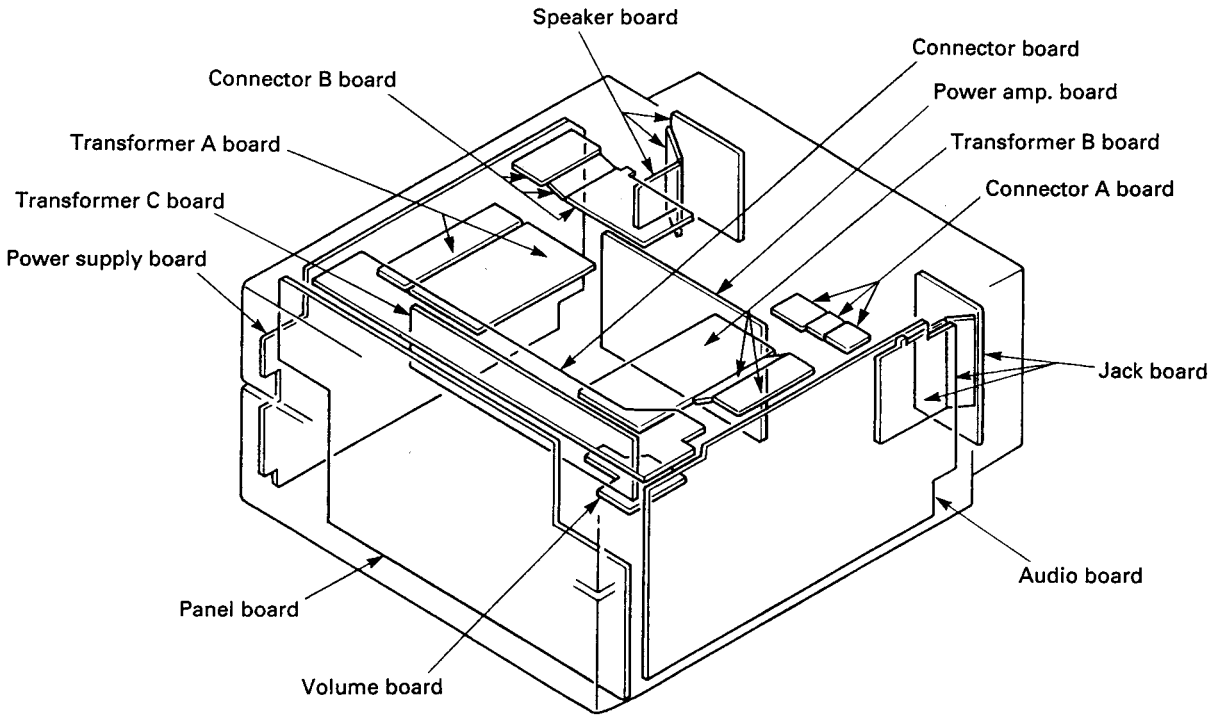


2-4. REMOVAL OF POWER TRANSFORMER, POWER AMP. BOARD, TRANSFORMER C BOARD AND HEATSINK



SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



3-2. SEMICONDUCTOR LEAD LAYOUTS

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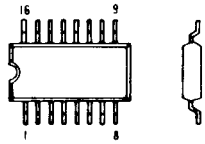
HD14053BFP



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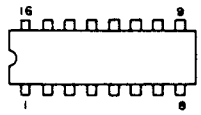

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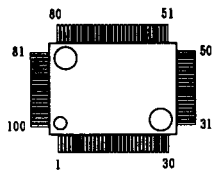

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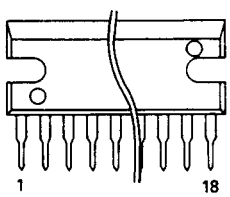

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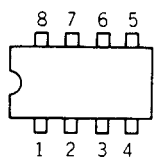

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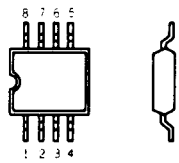
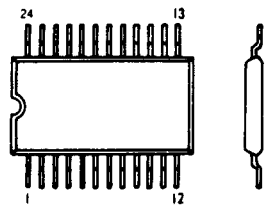


M66311FP



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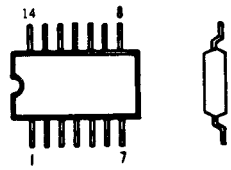

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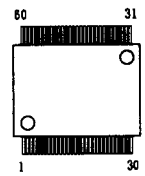

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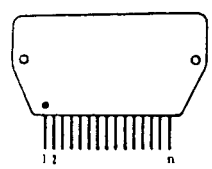
STK4152MK2



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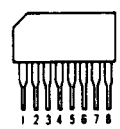

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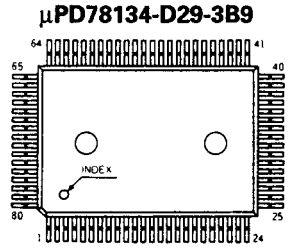

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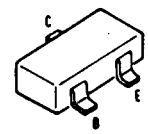
2SC3052-EF
2SC3396
2SC3624-L18



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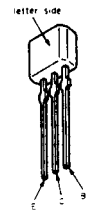

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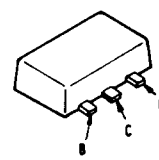
2SB1121-ST
2SD1622-S



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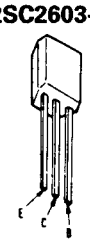

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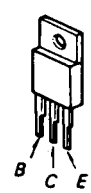

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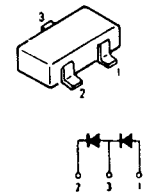

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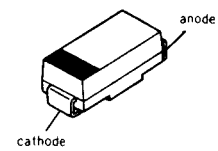
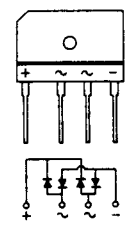
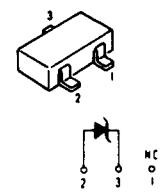


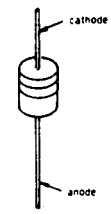
RBA-402



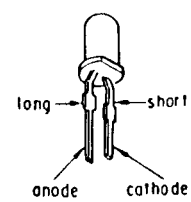
RD13M-B1
RD5.1M-B2
RD30M-B
RD36M-B



1SS120



SEL2210S-CD



● SEMICONDUCTOR LOCATION

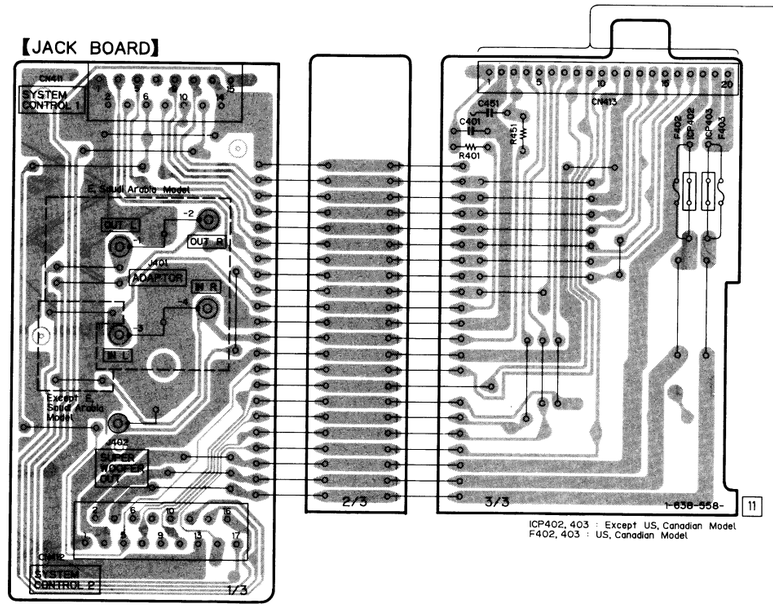
• MAIN BOARD

Ref. No	Location	Ref. No	Location
D291	E-13	Q312	B-14
D294	E-13	Q321	C-14
D311	B-14	Q322	G-12
D312	B-14	Q323	B-14
D331	E-14	Q341	B-13
D341	B-13	Q342	B-12
D342	B-13	Q371	C-14
D501	H-14	Q373	B-14
D502	G-13	Q501	G-13
D503	I-14	Q502	H-13
D504	I-14	Q921	H-12
D505	F-11	Q931	F-13
D911	F-12	Q932	F-13
D912	G-12	Q941	G-14
D913	F-12	Q951	G-14
D914	G-12		
D931	F-12		
D932	F-12		
D933	F-12		
D941	G-13		
D942	G-13		
D951	G-13		
D952	G-14		
D953	G-14		
IC201	D-13		
IC301	B-12		
IC303	A-13		
IC304	A-14		
IC305	C-15		
IC501	H-12		
IC502	I-14		
IC503	H-14		
IC601	C-14		
IC901	F-13		
Q292	E-13		
Q293	E-12		
Q311	B-15		

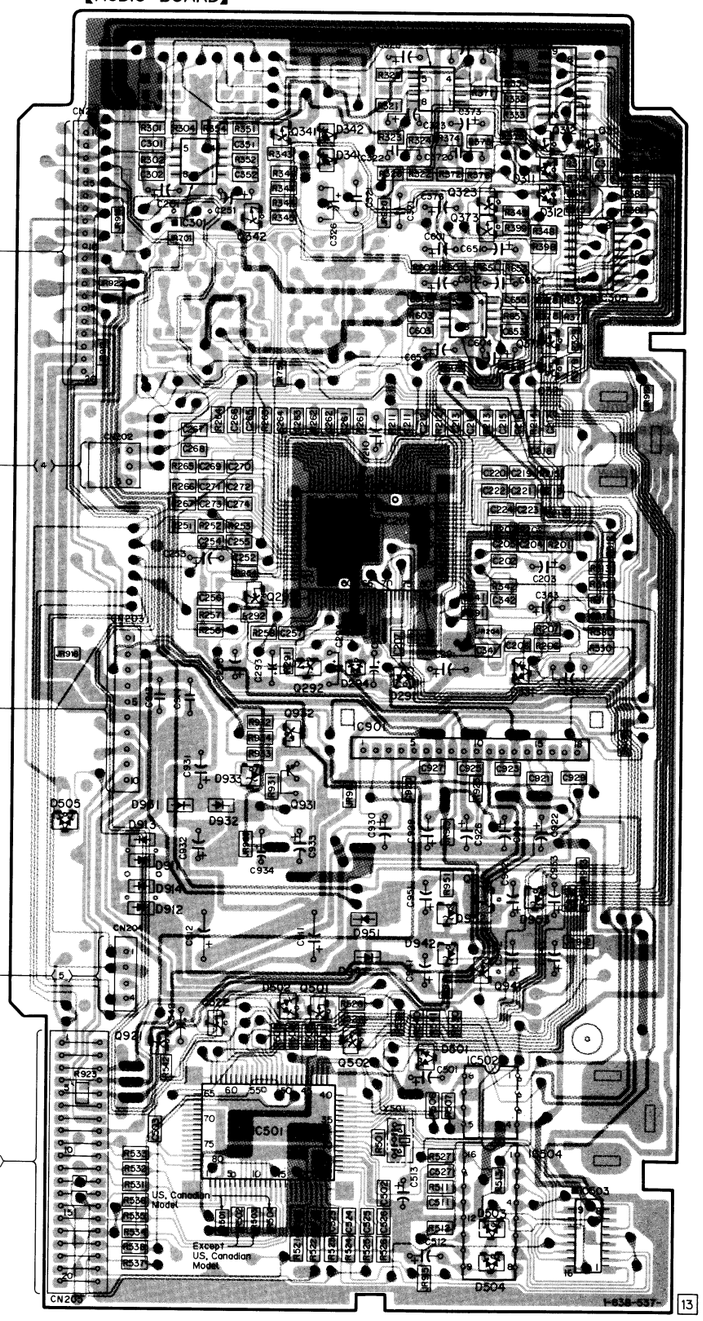
Note:

- o——: indicated a lead wire mounted on the component si
- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▒▒ : Pattern from the side which enables seeing.
- ▒▒ : Pattern of the rear side.

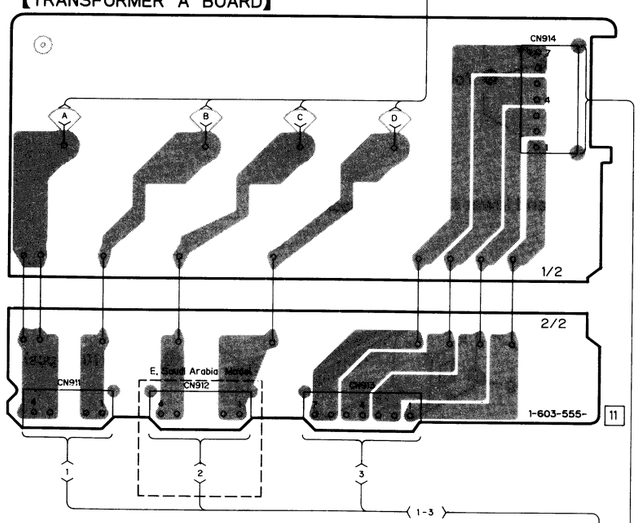
【JACK BOARD】



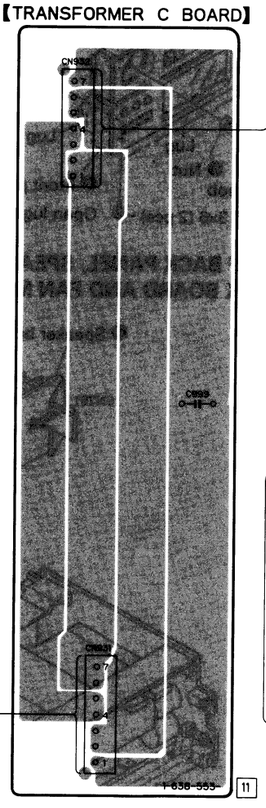
【AUDIO BOARD】



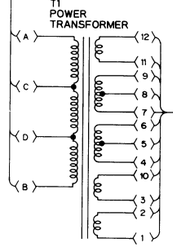
【TRANSFORMER A BOARD】



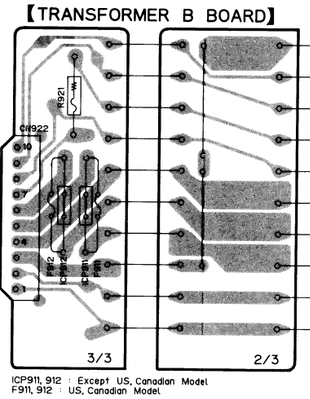
【TRANSFORMER C BOARD】

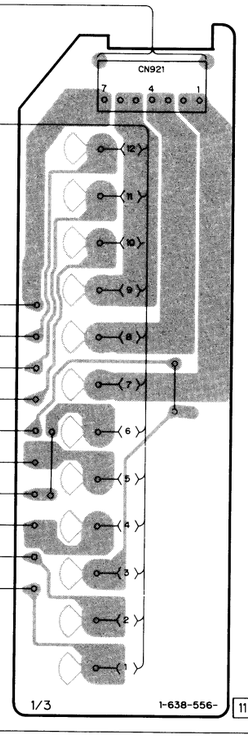


T1
POWER TRANSFORMER

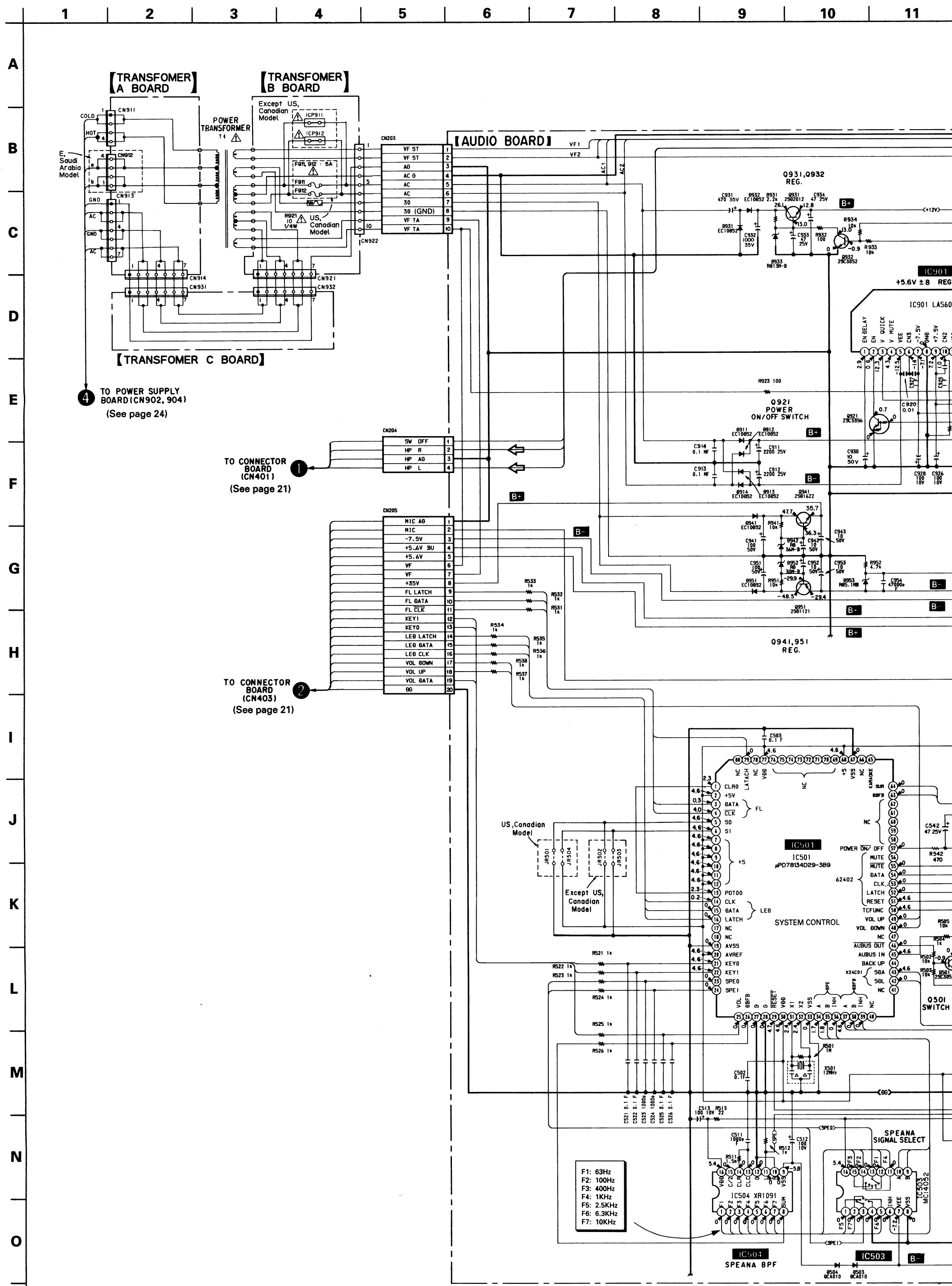


【TRANSFORMER B BOARD】





1-3 → 1-6 → ❶ To DISPLAY, POWER AMP, POWER SUPPLY SECTION (See page 19)


【TRANSFOMER A BOARD】
【TRANSFOMER B BOARD】
【TRANSFOMER C BOARD】
【AUDIO BOARD】
CN911
CN912
CN913
CN914
CN931
CN921
CN932
CN922
CN203
CN204
CN205
COLD
HOT
E, Saudi Arabia Model
POWER TRANSFORMER T1
Except US, Canadian Model
ICP911
ICP912
F911, 912 : 5A
F911
F912
R921 10 1/4W
US, Canadian Model
VF ST
AG
AC G
AC
30
30 (GND)
VF TA
VF1
VF2
AC1
AC2
Q931,Q932 REG.
B+
B-
Q921 POWER ON/OFF SWITCH
Q941,951 REG.
IC901
+5.6V ±8 REG
IC901 LA560
R923 100
C920 0.01
C930 10 50V
C928 100 10V
C926 100 10V
TO POWER SUPPLY BOARD(CN902, 904)
(See page 24)
TO CONNECTOR BOARD (CN401)
(See page 21)
TO CONNECTOR BOARD (CN403)
(See page 21)
SW OFF
HP R
HP AG
HP L
MIC AG
MIC
-7.5V
+5.6V BU
+5.6V
VF
+35V
FL LATCH
FL DATA
FL CLK
KEY1
KEY0
LED LATCH
LED DATA
LED CLK
VOL DOWN
VOL UP
VOL DATA
DG
R533 1k
R532 1k
R531 1k
R534 1k
R535 1k
R536 1k
R538 1k
R537 1k
US,Canadian Model
JR501
JR504
JR502
JR503
Except US, Canadian Model
IC501
IC501 μPD78134D29-389
SYSTEM CONTROL
POWER ON/OFF
MUTE
DATA
CLK
LATCH
RESET
TCFUNC
VOL UP
VOL DOWN
AUBUS OUT
AUBUS IN
BACK UP
SDA
SCL
Q501 SWITCH
R521 1k
R522 1k
R523 1k
R524 1k
R525 1k
R526 1k
R501 1M
X501 12MHz
C502 0.1F
C513 100 10V
R513 22
C511 1000p
C512 100 10V
R512 1k
R511 1.5k
SPEANA SIGNAL SELECT
F1: 63Hz
F2: 100Hz
F3: 400Hz
F4: 1KHz
F5: 2.5KHz
F6: 6.3KHz
F7: 10KHz
IC504 XR1091
IC504
SPEANA BPF
IC503
IC503 MC14052
D504 DCA010
D503 DCA010
19

8 9 10 11 12 13 14 15 16 17 18 19

Q931,Q932
REG.

C931 470 35V
D932 EC10BS2
R931 2.2k
Q931 2SB2012
C934 47 25V
D931 EC10BS2
C932 1000 35V
C933 47 25V
R932 100
D933 RB13M-B
R934 10k
R933 10k
Q932 2SC3052
B+
B-
<+12V>

IC901
+5.6V ±8 REG.RESET
IC901 LA5603
EN DELAY
EN
V QUICK
V MUTE
VEE
CN3
-7.5V
GND
+7.5V
CN2
VCC
CN1
+5.6V
CNA
+5.6V BU
+5.1V BU
CB
RESET
C927 1k
C925 1 F
C923 1 F
C921 1 F
C920 0.01
R925 47k
<+5.6VBU>

R923 100

Q921
POWER
ON/OFF SWITCH
D911 EC10BS2
D912 EC10BS2
D913 EC10BS2
D914 EC10BS2
C914 0.1 MF
C913 0.1 MF
C911 2200 25V
C912 2200 25V
Q921 2SC3396
C930 10 50V
C928 100 10V
C926 100 10V
C924 100 10V
C922 100 10V
C929 1F
<AG>
<DG>

Q941,951
REG.
D941 EC10BS2
D942 RB 36M-B
D951 EC10BS2
D952 RB 30M-B
D953 RB5.1MB
R941 10k
R951 10k
R952 4.7k
R953 100
C941 100 50V
C942 10 50V
C943 10 50V
C951 100 50V
C952 10 50V
C953 10 50V
C954 47000p F
Q941 2SB1622
Q951 2SB1121
<-30V>
<-7.5V>
<+5.6VBU>
<+5.6V>

IC305
DBFB SW
R606 68
<SW0>
<SW1>
IC305 MC14053
C325 10 50V
C326 10 50V
C375 10 50V
C376 10 50V
R326 100k
R375 100k
R376 100k
DBFB SW

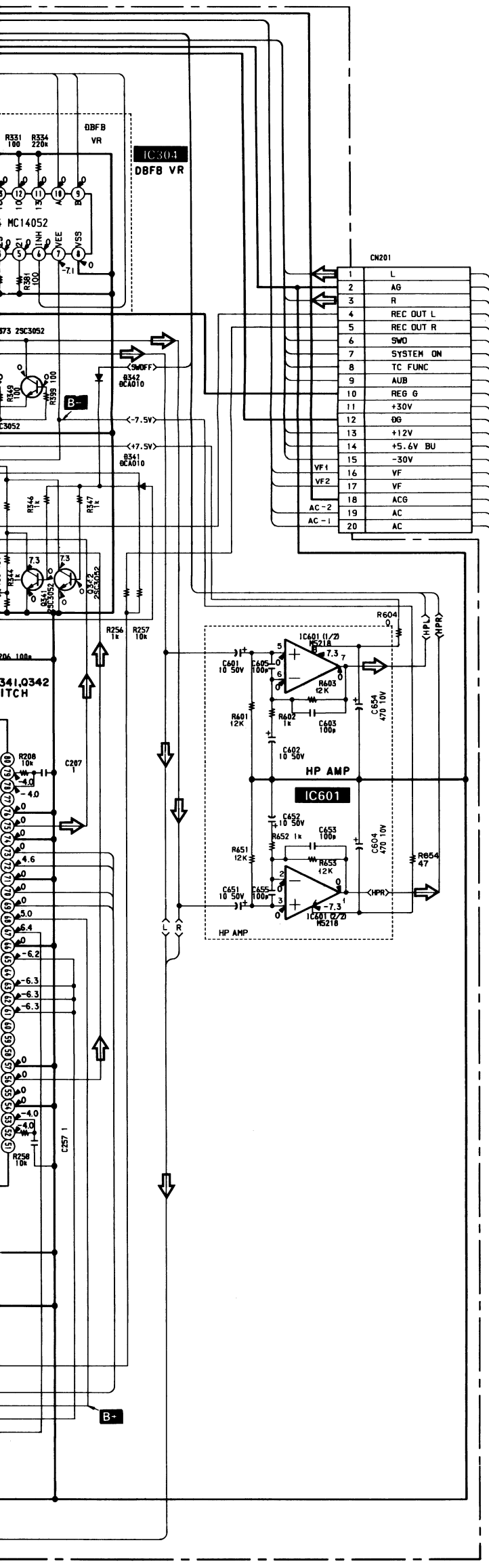
IC303
DBFB AMP
R321 1.5k
C321 0.1 MF
R323 18k
C322 0.1 MF
C323 50V
R322 330k
R324 1M
R374 1M
C373 50V
R372 330k
R373 18k
C371 0.1 MF
C372 0.1 MF
R371 1.5k
IC303 (1/2) M5218
IC303 (2/2) M5218
R325 100k
<DBFB>

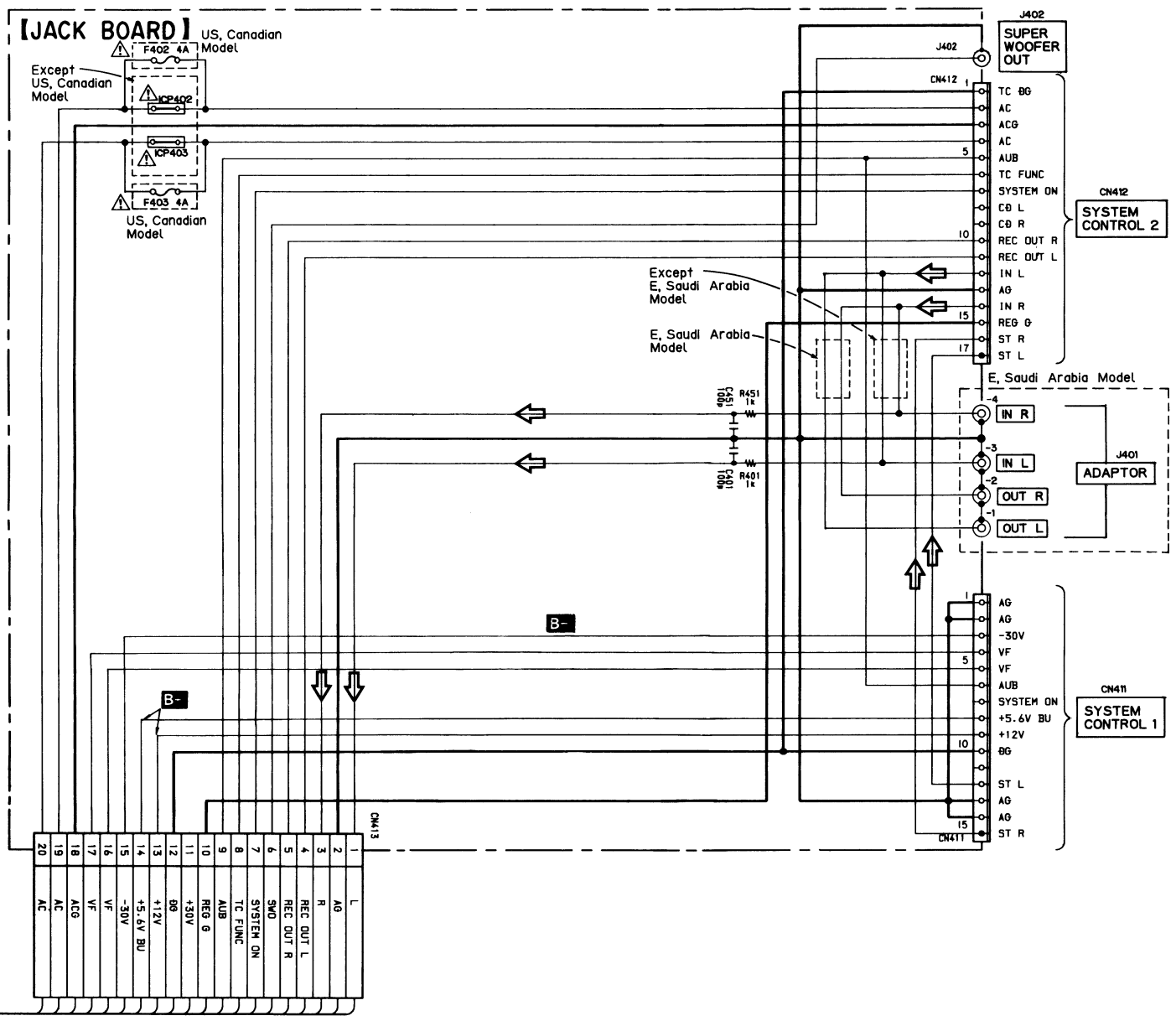
IC301
BUFFER
C302 220p
R302 15k
R301 47k
C301 100p
R304 18k
R354 18k
C351 100p
R351 47k
R352 15k
C352 220p
IC301 (1/2) M5128
IC301 (2/2) M5128
<L IN>
<R IN>
C311 1
R311 18K
R312 1M
R313 1M
C312

C503 0.1 F
IC501
IC501
μPD78134D29-389
SYSTEM CONTROL
NC
LATACH
V00
+5
VSS
KARAOKE
SUR
DBFB
CLR0
+5V
DATA
CLK
SO
SI
+5
POT00
CLK
DATA
LATCH
LED
AVSS
AVREF
KEY0
KEY1
SPE0
SPE1
POWER ON/OFF
MUTE
MUTE
DATA
CLK
LATCH
RESET
TCFUNC
VOL UP
VOL DOWN
AUBUS OUT
AUBUS IN
BACK UP
SDA
SDL
62402
X24C01
FL
C542 47 25V
R542 470
Q322 2SA1342
R330 2.2k
R380 10k
C327 100 10V
Q322
MUTE
R505 10k
R504 1k
R502 10k
R503 10k
Q501 2SC3052
D507 RCA010
Q501
SWITCH
<AUBUS>
<TCFUNC>
R528 1k
R530 47k
R527 1k
D505 RCA010
C501 100 10V
C528 0.1 F
C527 0.1 F
<SYSTEMON/OFF>
R539 1k
Q502 2SC3052
R540 10k
R541 10k
Q502
SYSTEM
ON/OFF SWITCH
<+5.6V>
<-7.5V>
<SPE0>
<SPE1>
SPEANA
SIGNAL SELECT
IC503
MC14052
R506 47k
R507 47k
IC502 X24C01
IC502
E²P-ROM
IC504 XR1091
IC504
SPEANA BPF
IC503
C502 0.1F
X501 12MHz
R501 1M
C513 100 10V
R513 22
C511 1000p
R512 1k
C512 100 10V
R511 1.5k
C521 0.1 F
C522 0.1 F
C523 1000p
C524 1000p
C525 0.1 F
C526 0.1 F
D291 RCA010
Q293
RIPPLE FILTER
R293 25A812
R292 1k
C295 100 10V
C291 100 10V
Q292 2SC3052
R291 1k
C294 100 10V
C292 100 10V
C293 100 10V
D294 DCA010
Q292
RIPPLE FILTER
CN202
AG
L
R
TO CONNECTOR
A BOARD
(CN811)
3
<See page 23>

R216 1M
C219 6800p
C220 5600p
C221 2700p
C222 1500p
R215 1M
C218 0.01
C217 0.018
C216 0.022
C215 0.047
C214 0.056
C213 0.1
C212 0.22
C211 0.22
C210 100 10V
R214 1M
R213 1M
R212 1M
R211 1M
R261 1M
R262 1M
R263 1M
R264 1M
C261 0.22
C262 0.22
C263 0.1
C264 0.056
C265 0.047
C266 0.022
C267 0.018
C268 0.01
C269 6800p
C270 5900p
C271 2700p
C272 1500p
R265 1M
R266 1M
R252 3.3k
C253 10 50V
DIG
GRA
ELEC

IC303
DBFB AMP
IC303 (1/2) M5218
IC303 (2/2) M5218
DBFB AMP
Q311,312 SWITCH
IC304
DBFB VR
IC304 MC14052
DBFB VR
IC305
DBFB SW
IC305 MC14053
DBFB SW
Q321,323,371,373 MUTE
Q341,Q342 SWITCH
IC301
BUFFER
IC301 (1/2) M5128
IC301 (2/2) M5128
IC201
CXA1492Q
DIGITAL CONTROL GRAPHIC EQUALIZER, ELECTRONIC VOLUME
IC601
HP AMP
IC601 (1/2) M5218
IC601 (2/2) M5218
HP AMP
Q293 RIPPLE FILTER
Q292 RIPPLE FILTER
D294 DCA010
D291 DCA010
Q342 DCA010
Q341 DCA010
Except US, Canadian Model
US, Canadian Model
CN201
CN202
TO CONNECTOR A BOARD (CN811)
(See page 23)





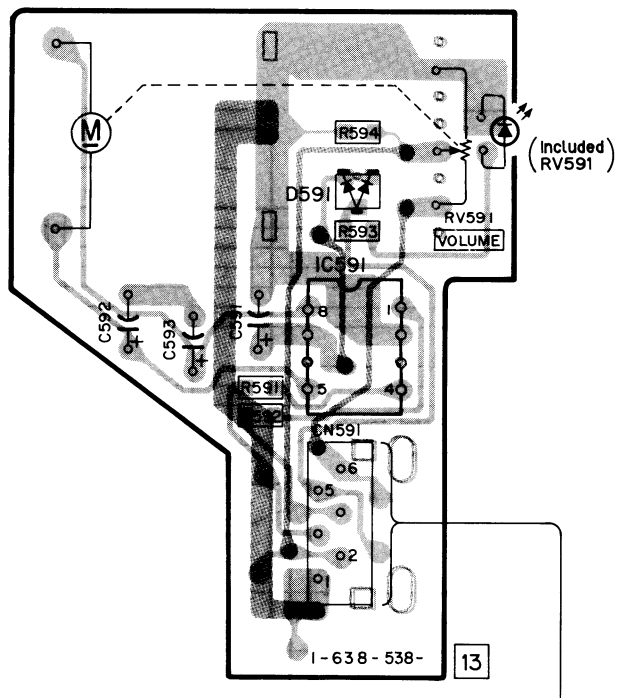
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/4W or less unless otherwise noted.
- △ : internal component.
- : nonflammable resistor
- : Fuse resistor

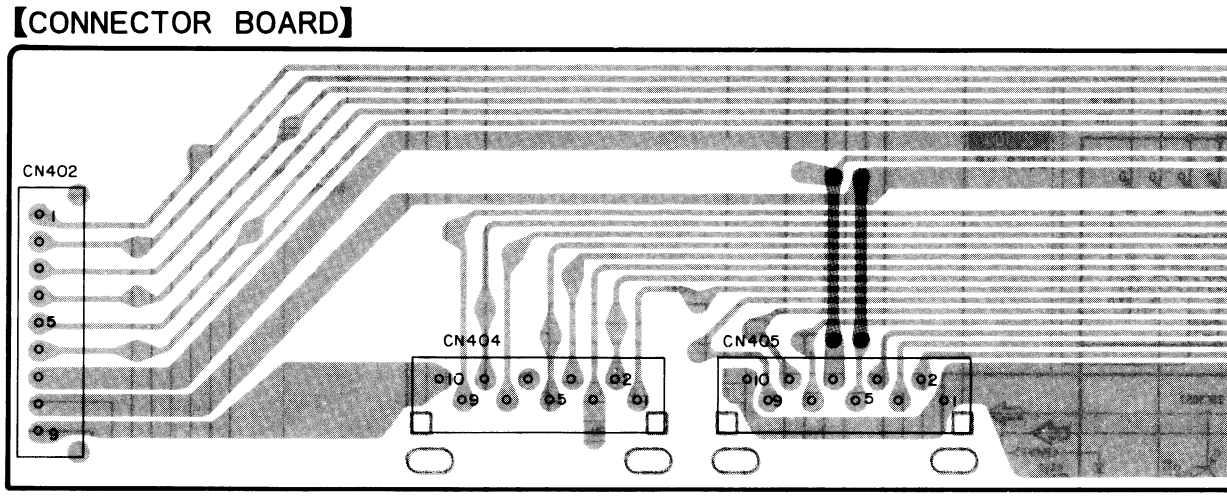
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B + Line.
- B- : B - Line.
- Voltage are dc with respect to ground under no-signal conditions.
- no mark : CD
- Voltages are taken with a VOM (input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path
  ⇨ : TUNER

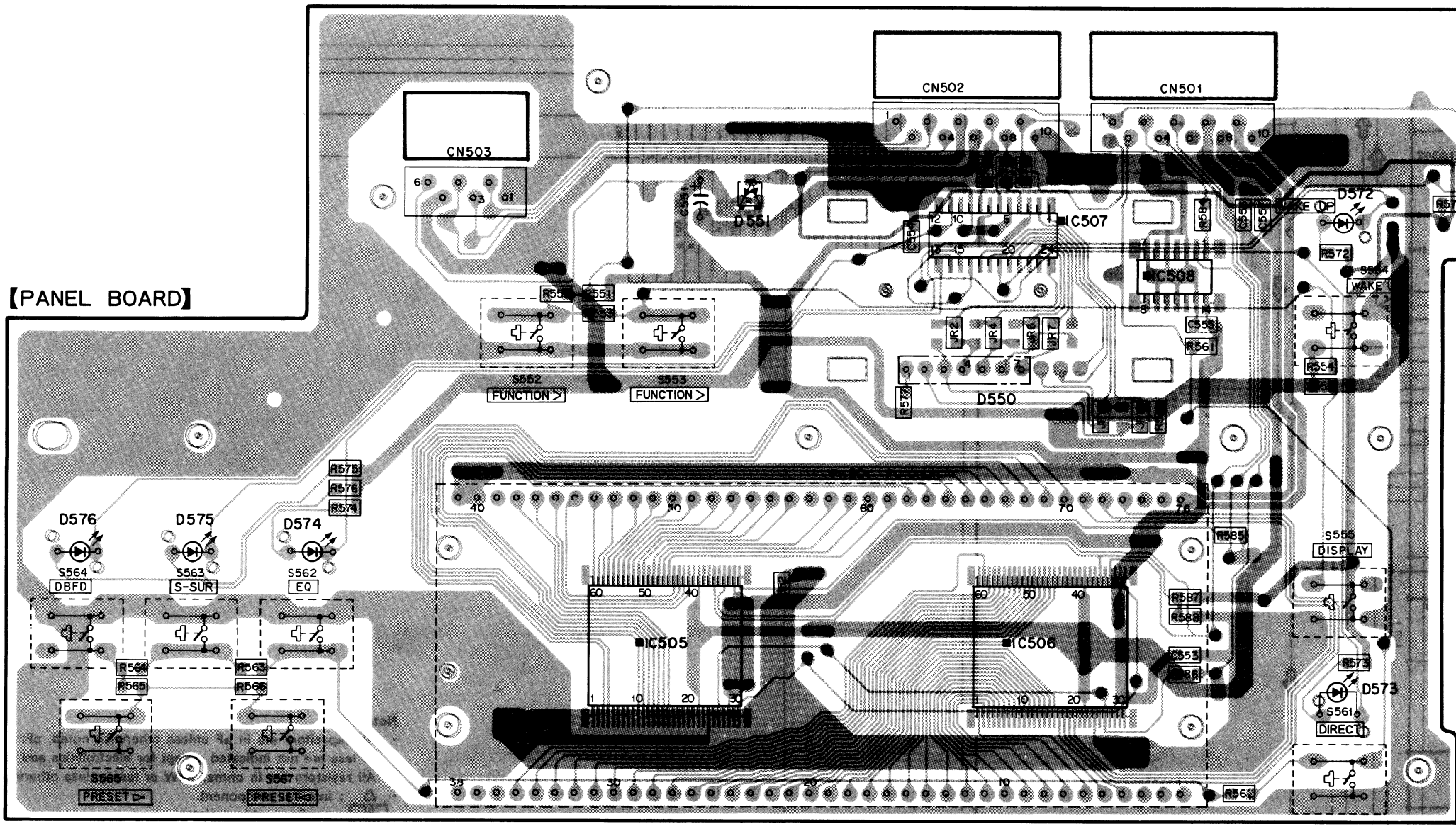
【VOLUME BOARD】

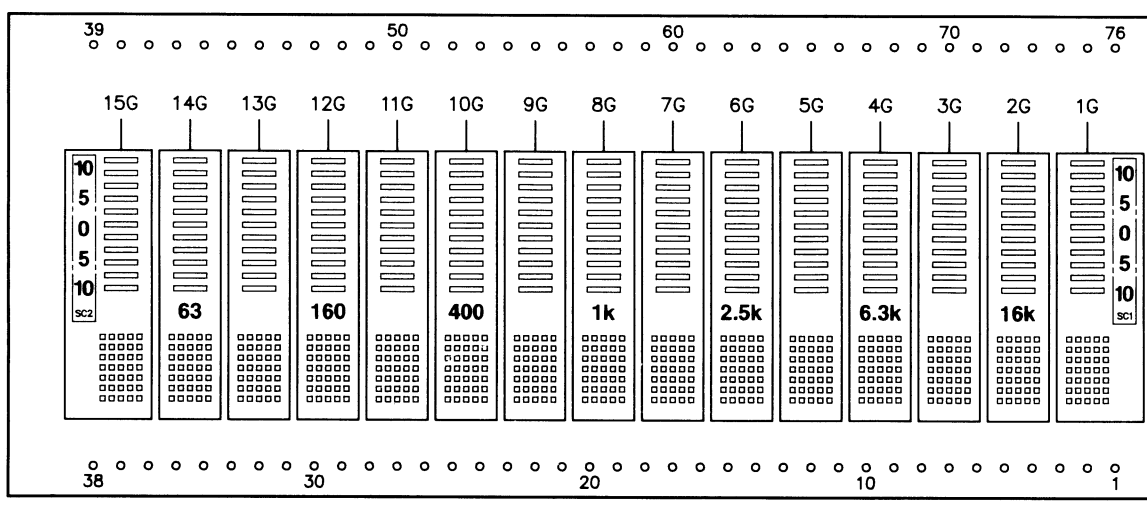


【CONNECTOR BOARD】

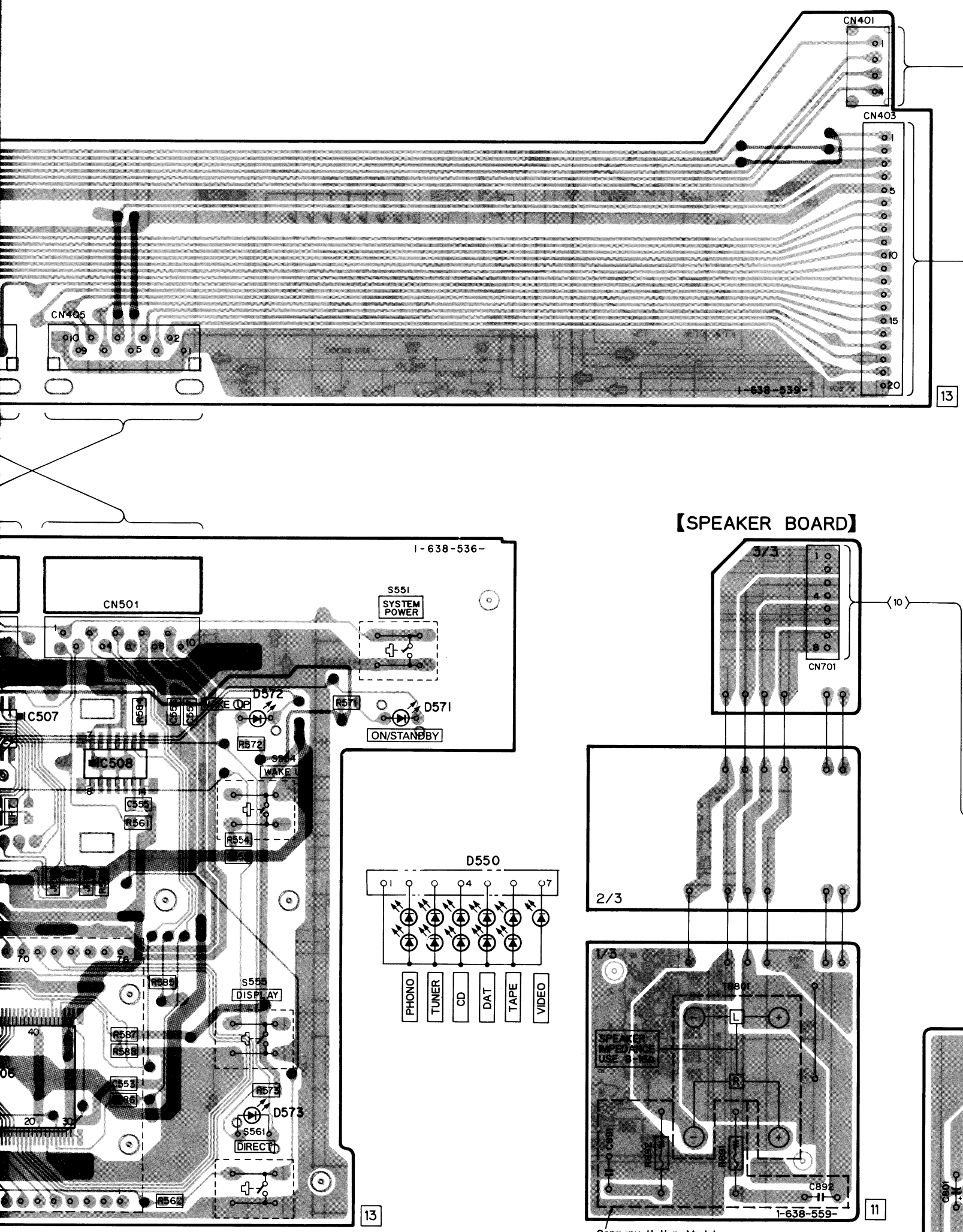


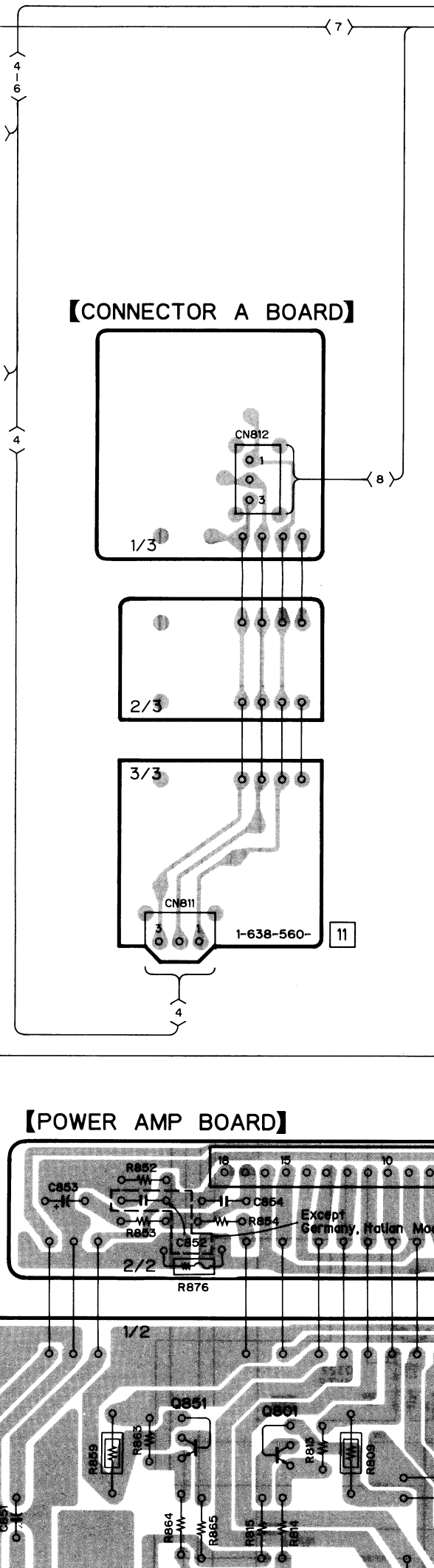
【PANEL BOARD】

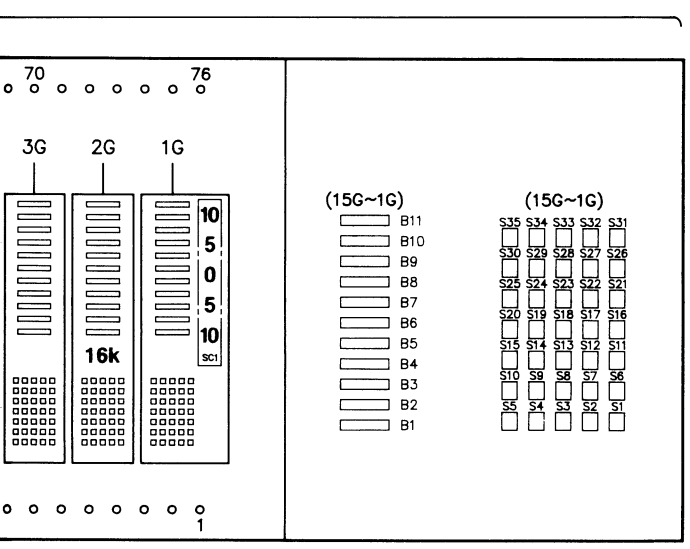




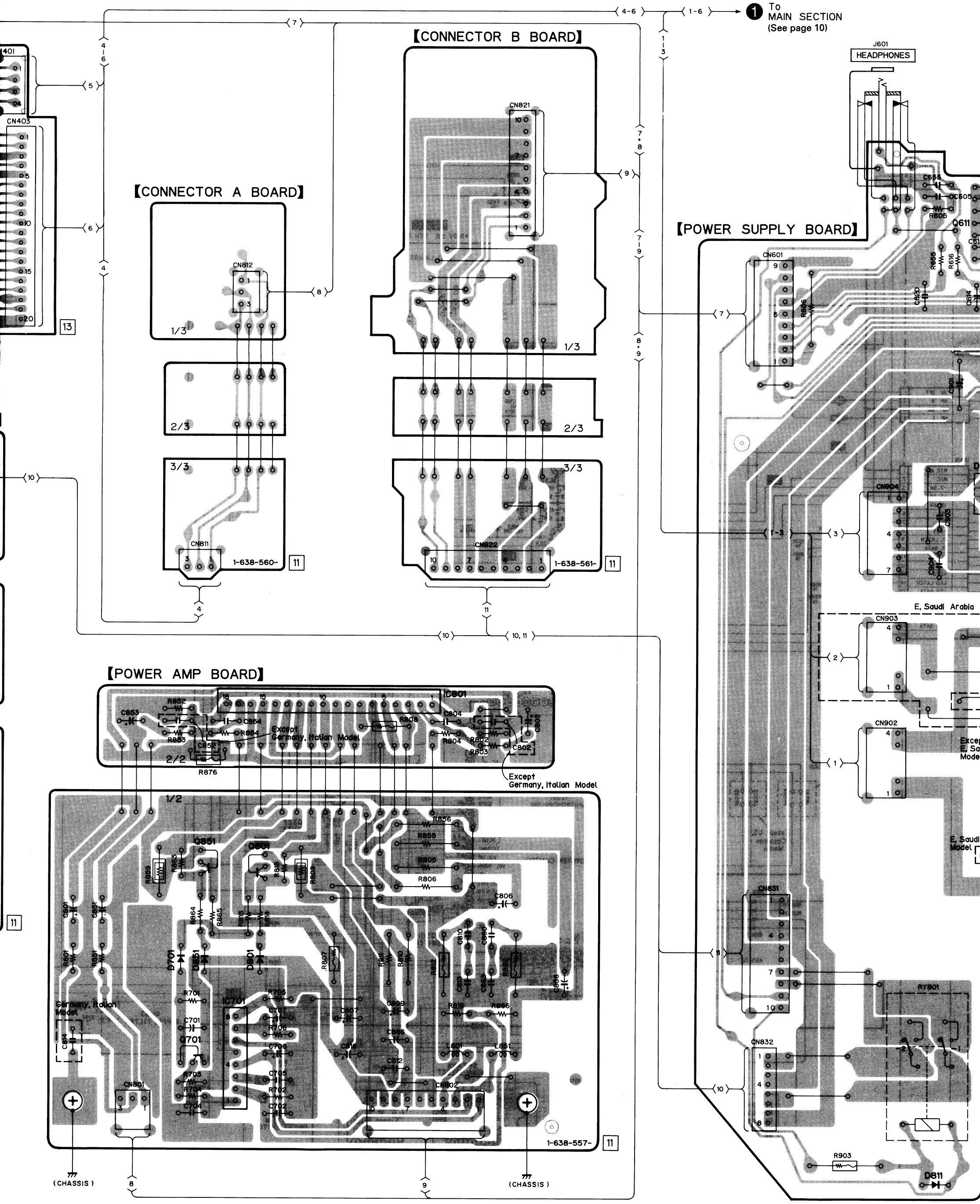
FL 501
FL DISPLA

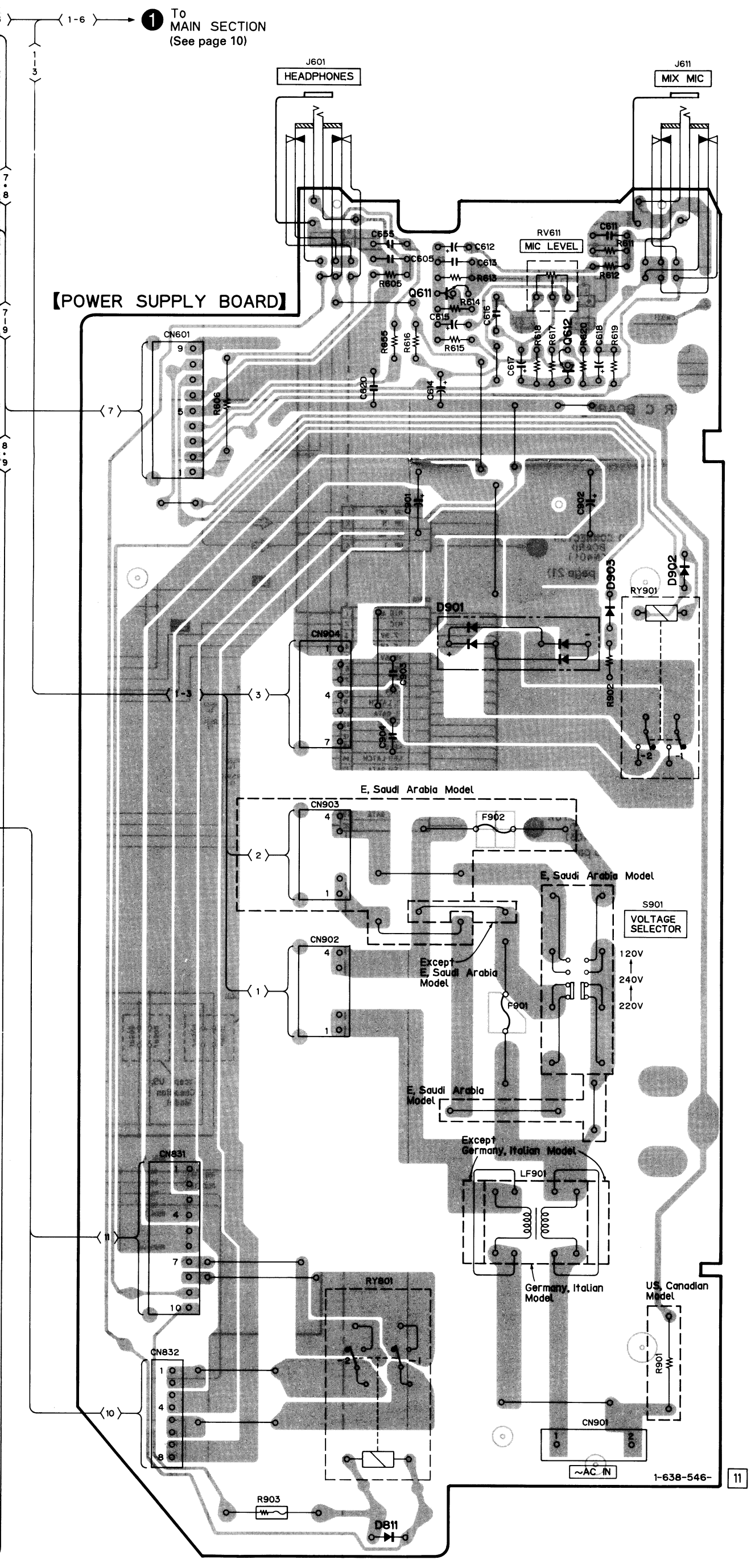






FL 501
FL DISPLAY


【CONNECTOR B BOARD】
【CONNECTOR A BOARD】
【POWER SUPPLY BOARD】
【POWER AMP BOARD】
1 To MAIN SECTION (See page 10)
J601 HEADPHONES
CN401
CN403
CN821
CN812
CN811
CN822
CN601
CN804
CN903
CN902
CN831
CN832
CN801
CN802
IC801
IC701
Q611
Q851
Q801
D701
D851
D801
D811
RY801
R903
1/3
2/3
3/3
1/2
1-638-560-
1-638-561-
1-638-557-
Except Germany, Italian Model
E, Saudi Arabia
(CHASSIS)



● SEMICONDUCTOR LOCATION

• PANEL／POWER AMP/POWER SUPPLY BOARD

Ref. No	Location	Ref. No	Location
D550	F-6	IC505	H-4
D551	E-5	IC506	H-6
D571	E-9	IC507	E-6
D572	E-8	IC508	F-7
D573	H-8	IC591	B-2
D574	G-2	IC701	I-13
D575	G-2	IC801	F-15
D576	G-1		
D591	B-2	Q611	B-19
D701	I-13	Q612	C-20
		Q701	I-13
D801	I-13	Q801	H-14
D811	J-19	Q851	H-13
D851	I-13		
D901	E-20		
D902	D-21		
D903	D-21		

Note:

- ○——: indicated a lead wire mounted on the component side.
- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▒▒: Pattern from the side which enables seeing.
- ▒▒: Pattern of the rear side.

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/4W or less unless otherwise noted.
- ⏛: nonflammable resistor
- ⏛: Fuse resistor

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B + Line.
- B- : B − Line.
- Voltage are dc with respect to ground under no-signal conditions.
- no mark : CD
- Voltages are taken with a VOM (input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path
  ⇨ : TUNER

【VOLUME BOARD】

【CONNECTOR BOARD】

【PANEL BOARD】

【CONNECTOR A BOARD】

(See page 11) (See page 11)

【CONNECTOR A BOARD】

CN812 CN811 AG L R

3 TO AUDIO BOARD (CN202)

(See page 13)

CN801 R L AG

Germany, Italian Model

C814 10000p

IC801 POWER AMP

IC801
STK4142 II : Except US, Canadian Model
STK4152 II : US, Canadian Model

B+ B-

R801 1k C801 10 50V

C807 35V R807 100 1/4W C816 50V R809 0.22 2W

C812 47p C804 100p R812 47k C806 35V R804 47k R813 1k

Q801 2SC1841

R803 560 C803 35V R805 1/2W R806 1/2W R808 1/2W R810 1k 1/2W R811 1k 1/2W R814 15k R815 100k R816 1/2W R817 0.22 2W

C809 22 50V R812 1/2W R813 1k R814 15k R815 100k R816 1/2W R817 0.22 2W

C810 0.1MF C813 0.1MF C840 0.1MF C843 0.1MF C844 22 50V C845 0.1MF

Q801, 851 OVERLOAD DET

L801

Except Germany, Italian Model

C852 47p R852 47k R853 560 R854 47k

Q851 2SC1841

R859 0.22 2W R863 1k R842 10 1/2W R843 1/2W

L851

C851 10 50V R851 1k R866 47k R814 56k

CN802 +B +B -B -B G G L R RY AC

【CONNECTOR B BOARD】

CN821 +B +B -B -B G G L R RY AC

CN822 G G +B -B -B R L AC RY

SPEAKER IMPEDANCE USE 8-16Ω

Germany, Italian Model

R891 10 1/2W C892 0.1 R892 10 1/2W C891 0.1

L R TB801

【SPEAKER BOARD】

CN701 G G L L G R R

(See page 11)

TO TRANS A BOARD (CN911, 913)

4

CN832 G G L L G R R

CN831 RY AC L R -B +B +B G

CN902 HOT COLD

CN903 a b

CN904 AC GND AC GND

CN601 SW OFF HP R HP AG HP L MIC AG MIC -7.5V +5.6V DG

E, Saudi Arabia Model

R903 100

C904 0.33 C903 0.33

D903 1N4148 R902 10k D902 1N4148

RY901

RY801

C901 4700 42V

D901 RBA402

R655 100 C905 10000p C855 10000p R605 100

J601 HEAD PHONES

C820 1000p

Germany, Italian Model

LF901

Except E, Saudi Arabia Model

Except Germany, Italian Model

S901 VOLTAGE SELECTOR

F901 T2.5A

E, Saudi Arabia Model

220V → 240V → 120V

CN901 1 HOT 2 COLD

-AC IN

R901 3.3M

US, Canadian Model

F901
T1.25A : Except US, Canadian Model
2A : US, Canadian Model

【POWER SUPPLY BOARD】

R616 10k

Q612 2SC2603

MIC LEVEL R618 100k

C614 220 25V C615 0.22 50V R615 10k R614 100k

Q611, 612 MIC AMP

C617 50V R619 1M C618 50V R620 100k R621 100k C616 100p C612 50V R612 1k C611 1000p R611 10k R610 1k

Q611 2SC2603

J611 MIX MIC

【POWER AMP BOARD】

Q701 PROTECT SWITCH

IC701 PROTECTOR

B+

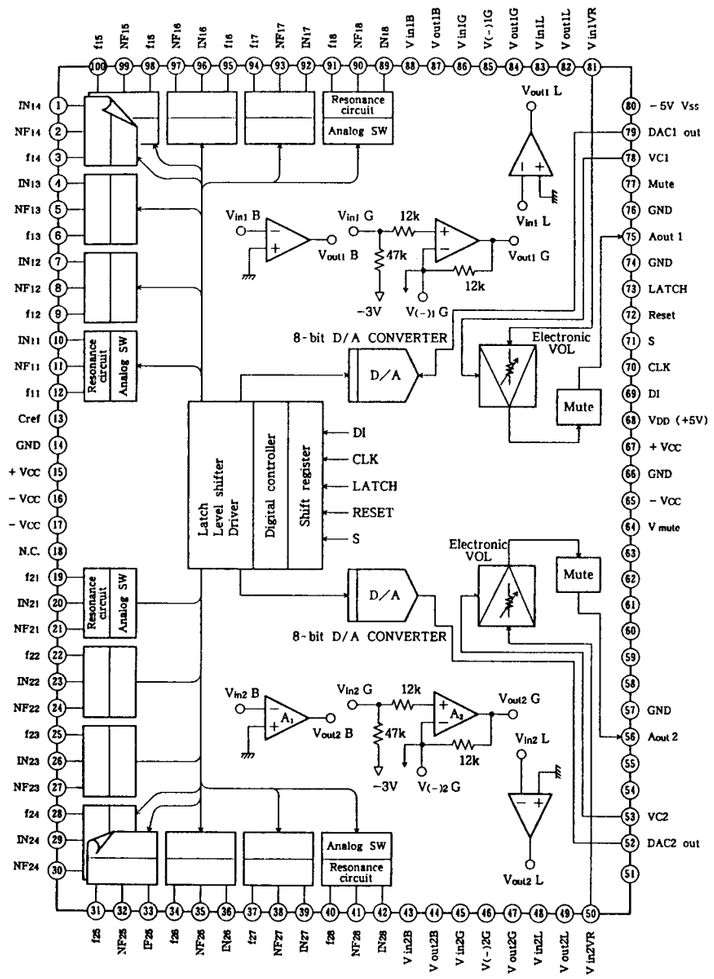
Q701 2SA1175 C701 100 R701 22k R702 10k D701 1N4148

IC701 APC1237HA

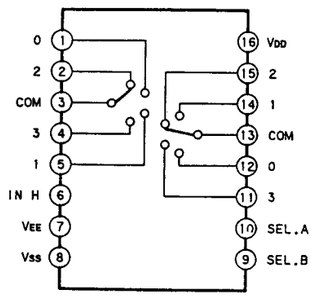
0.1 R704 22k R705 2200p R706 47k R707 10k C707 150 25V C702 100 C704 4.7 50V C705 2200p R703 22k R708 10k

3-7. IC BLOCK DIAGRAMS

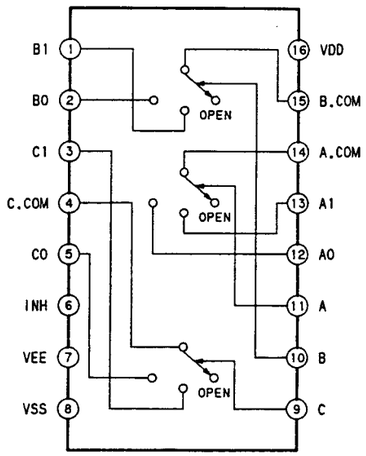
IC201 CXA1492Q



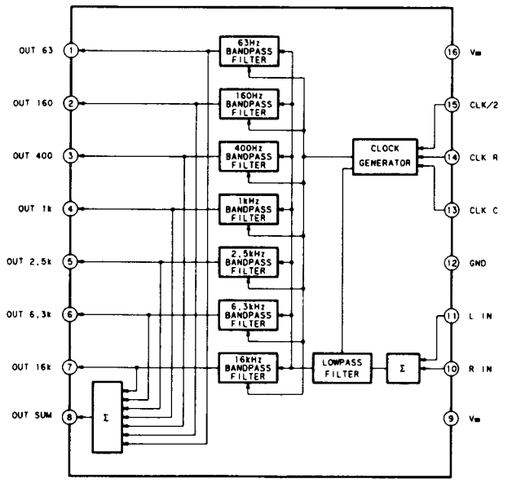
IC304, 503 MC14052BF



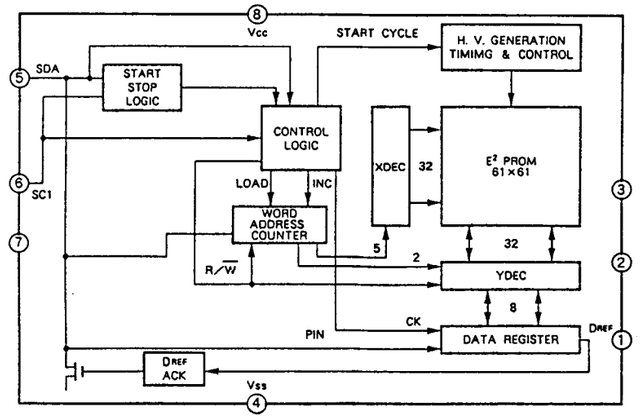
IC305 HD14053BFP



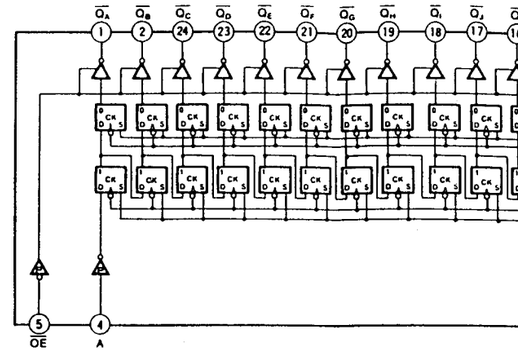
IC504 XR1091DCP



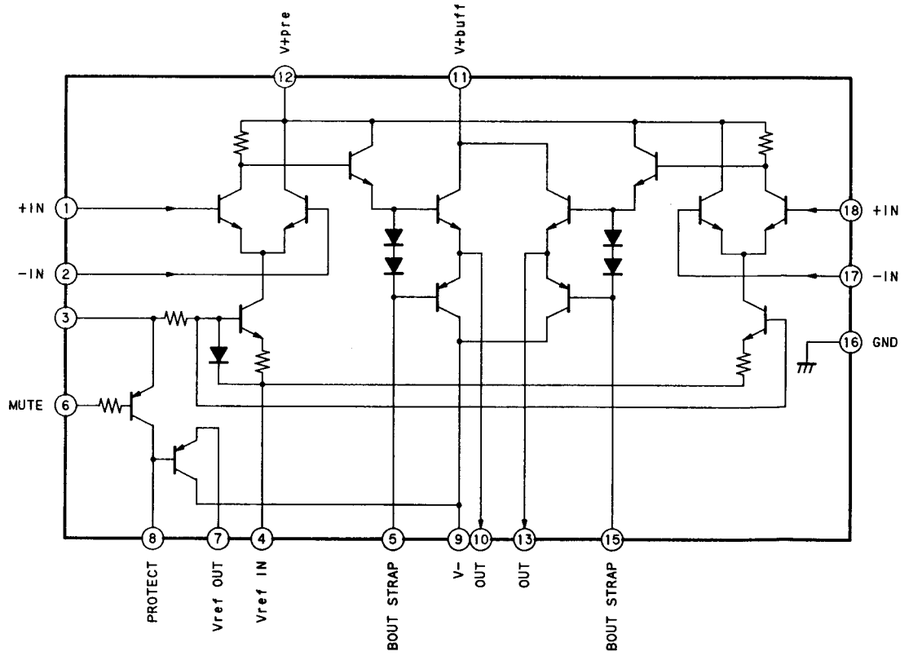
IC502 X24C01P



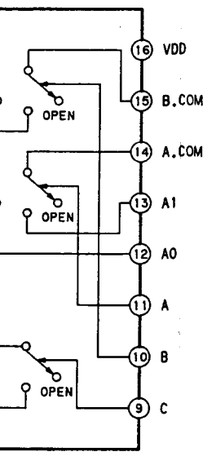
IC507 M66311FP



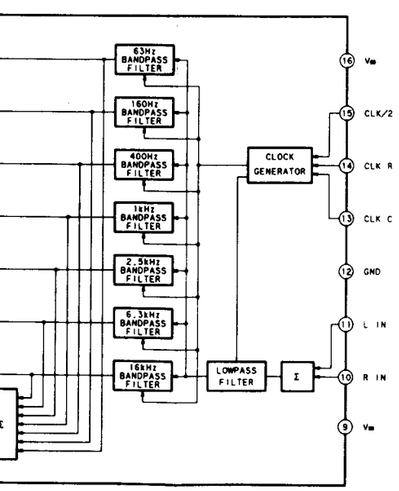
IC801 STK4142II
STK4152II



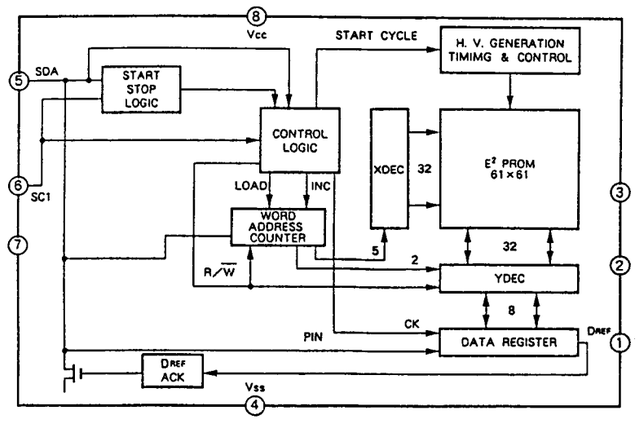
BFP



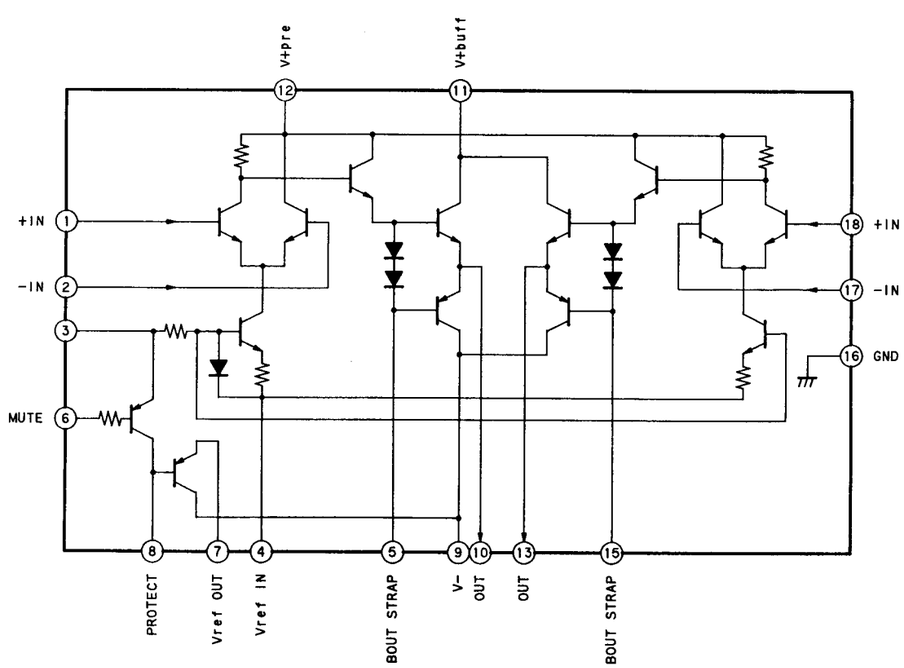
091DCP



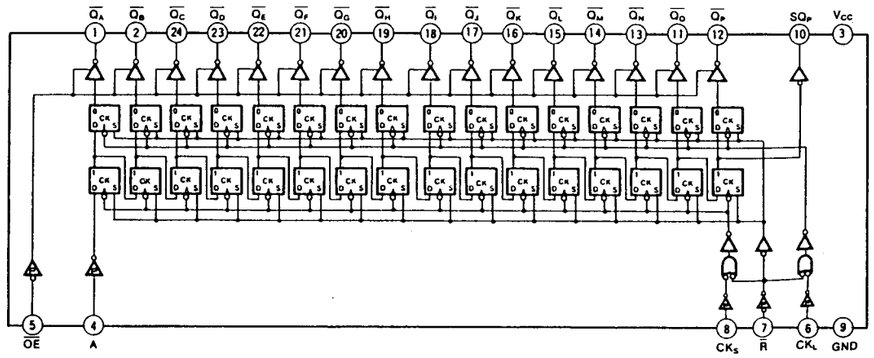
IC502 X24C01P



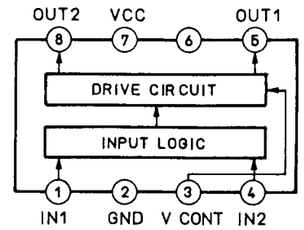
IC801 STK4142II
STK4152II



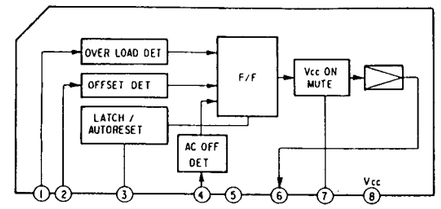
IC507 M66311FP



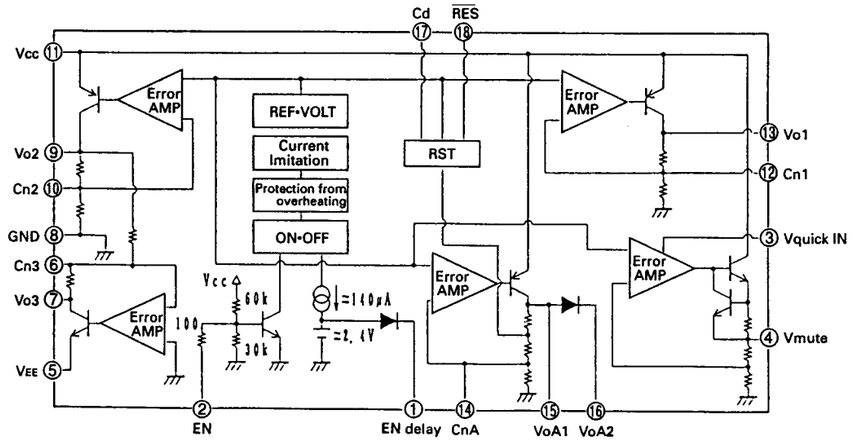
IC591 LB1639



IC701 μPC1237HA



IC901 LA5603



3-8. PIN FUNCTIONS OF IC501 (μPD 78134-D29-3B9)

According to keying in or remote control signal, it sets the Graphic equalizer electronic volume (IC201), DBFB, surround etc. and switches the LED and FL tube display and functions in the deck.

Pin No.	Pin name	I/O	Description
1	CLR	I	Timer pulse input
2	+ 5V	I	Not in use with the equipment (+5V)
3	DATA	O	Serial data output to the FL tube driver (IC505, 506)
4	CLK	O	Data transfer clock output to the FL tube driver (IC505, 506)
5	S0	I	Input port for model selection. Connected to +5V(except US and Canadian model) or GND(US or Canadian model) with the equipment.
6	S1	I	Input port for model selection. Connected to +5V(US or Canadian model) or GND(except US and Canadian model) with the equipment.
7-12	–	I	Not in use with the equipment (+5V)
13	POT00	O	Timer pulse output (about 400μSec)
14	CLK	O	Data transfer clock output to the LED driver (IC507)
15	DATA	O	Serial data output to LED driver (IC507)
16	LATCH	O	Data latch output to the LED driver (IC507)
17-18	PWM 0, PWM 1	O	Not in use with the equipment (open)
19	AVss	–	Analog system power terminal (GND)
20	AVref	I	Analog port reference voltage input (+5V)
21-22	KEY 0, 1	I	Key input (Analog)*1
23-24	SPE 0, 1	I	Spectrum analysis data input (analog)
25	VOL	I	Volume position data input (analog)
26	DBFB	I	DBFB data input
27-28	–	I	Not in use with the equipment (GND)
29	RESET	I	System reset input. "L" : reset
30	VDD	–	Power terminal (+5V)
31-32	X2, X1	–	Crystal connection terminal for system clock oscillation
33	VSS	–	Power terminal (GND)
34	A	O	Spectrum analysis data input switch A
35	B	O	Spectrum analysis data input switch B
36	INH	O	Spectrum analysis data input switch inhibit
37	A	O	DBFB output switch A } *2
38	B	O	DBFB output switch B } *2
39	INH	O	DBFB output switch inhibit } *2
40-41	–		Not in use with the equipment (open)
42	SCL	O	Clock output to EEP-ROM (IC502)
43	SDA	I/O	Data input/output (user preset memory data, etc.) with EEP-ROM (IC502)
44	–	O	Not in use with the equipment (open)
45	AU BUS IN	I	Audio bus input
46	AU BUS OUT	O	Audio bus output (tuner power ON/OFF and instruction to the function switch microcomputer in the deck)
47	–	O	Not in use with the equipment (open)
48	VOL DOWN	O	DOWN signal output of the volume motor (RV591)
49	VOL UP	O	UP signal output of the volume motor (RV591)
50	TC FUNC	I	Request of audio bus (FUNCTION data) from the function switch microcomputer in the deck (TC-H2600)

Pin No.	Pin name	I/O	Description
51	RESET	O	Reset output to the Graphic equalizer electronic volume (IC201) "L" : reset
52	LATCH	O	Data latch output to the Graphic equalizer electronic volume (IC201)
53	CLK	O	Data transfer clock output to the Graphic equalizer electronic volume (IC201)
54	DATA	O	Serial data output to the Graphic equalizer electronic volume (IC201)
55	MUTE	O	Mute reverse output
56	MUTE	O	Mute output
57	POWER ON/OFF	O	Power (IC901) output control. "L" : Power ON
58-62	–	O	Not in use with the equipment (open)
63	DBFB	O	DBFB ON/OFF (IC305) controller output. "H" : ON, "L" : OFF
64	SUR	O	Surround ON/OFF (IC302 1/2) controller output. "H" : surround ON
65	KARAOKE	O	Not in use with the equipment (open)
66	ASTB/CLO	O	Not in use with the equipment (open)
67	VSS	–	Power terminal (GND)
68	EA	I	Not in use with the equipment (open)
69-76	–	O	Not in use with the equipment (open)
77	VDD	–	Power terminal (+5V)
78	–	O	Not in use with the equipment (open)
79	LATCH	O	Data latch output to the FL tube driver (IC505, 506)
80	–	O	Not in use with the equipment (open)

***1 Key input (analog port)**

Voltage (V) / Input port	0	0.63	1.3	2.0	2.6	3.2
Pin ㉑ KEY 0	POWER S551	FUNCTION AUDIO S552	FUNCTION VIDEO S553	WAKE UP S554	DISPLAY S555	—
Pin ㉒ KEY 1	DIRECT S561	EQ S562	SURROUND S563	DBFB S564	PRESET UP ▷ S565	PRESET DOWN ◁ S567

***2 DBFB level control**

Level / Input port	OFF	1	2	3	4
Pin ㊲ A	–	L	H	L	H
Pin ㊳ B	–	L	L	H	H
Pin ㊴ INH	H	L	L	L	L

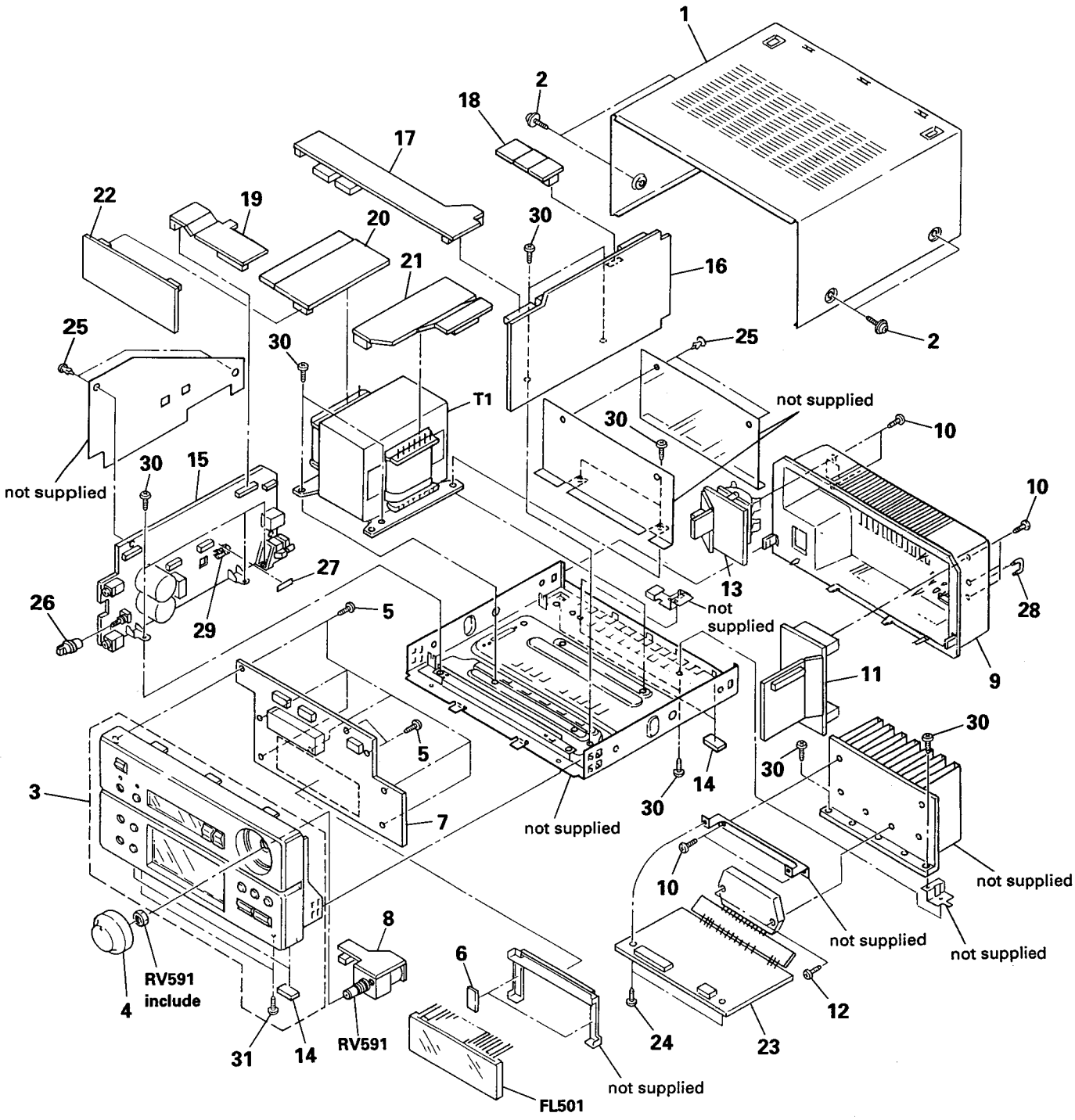
SECTION 4
EXPLODED VIEW

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB,BALANCE(WHITE)...(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- CND : Canadian model
  G : Germany model
  IT : Italian model
  EA : Saudi Arabia model
  AUS : Australian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



Ref. No.	Part No.	Description	Remarks
1	* 4-944-522-01	CASE (K211522)	
2	3-363-099-01	SCREW (CASE +3X8 TP2)	
3	X-4941-604-1	PANEL ASSY, FRONT (US, CND, AEP, UK, G, IT)	
	X-4941-605-1	PANEL ASSY, FRONT (E, EA, AUS)	
4	X-4941-532-1	KNOB (VOLUME) ASSY	
5	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
6	* 4-932-810-11	CUSHION (FL)	
7	* A-4341-577-A	PANEL BOARD, COMPLETE (AEP, UK, E, EA, AUS)	
	* A-4341-581-A	PANEL BOARD, COMPLETE (G, IT)	
	* A-4345-442-A	PANEL BOARD, COMPLETE (US, CND)	
8	* 1-638-551-11	VOLUME BOARD	
9	* 4-943-337-21	PANEL, BACK (US, CND, AEP, UK, G, IT, AUS)	
	* 4-943-337-11	PANEL, BACK (E, EA)	
10	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
11	* 1-638-558-11	JACK BOARD	
12	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
13	* 1-638-559-11	SPEAKER BOARD	
14	4-930-336-01	FOOT (FELT)	
15	* A-4341-583-A	POWER SUPPLY BOARD, COMPLETE(AEP, UK, AUS)	
	* A-4341-579-A	POWER SUPPLY BOARD, COMPLETE (E)	
	* A-4341-594-A	POWER SUPPLY BOARD, COMPLETE (G, IT)	
	* A-4341-844-A	POWER SUPPLY BOARD, COMPLETE (US, CND)	
	* A-4345-699-A	POWER SUPPLY BOARD, COMPLETE (EA)	
16	* A-4341-582-A	AUDIO BOARD, COMPLETE (AEP, UK, AUS)	
	* A-4341-578-A	AUDIO BOARD, COMPLETE (E, EA)	
	* A-4341-593-A	AUDIO BOARD, COMPLETE (G, IT)	
	* A-4345-443-A	AUDIO BOARD, COMPLETE (US, CND)	
17	* 1-638-539-11	CONNECTOR BOARD	
18	* 1-638-560-11	CONNECTOR (A) BOARD	
19	* 1-638-561-11	CONNECTOR (B) BOARD	
20	* 1-638-555-11	TRANSFORMER (A) BOARD	
21	* 1-638-556-11	TRANSFORMER (B) BOARD	
22	* 1-638-553-11	TRANSFORMER (C) BOARD	
23	* A-4345-441-A	POWER AMP BOARD, COMPLETE (AEP, UK, AUS)	
	* A-4341-571-A	POWER AMP BOARD, COMPLETE (E, EA)	
	* A-4345-438-A	POWER AMP BOARD, COMPLETE (G, IT)	
	* A-4345-763-A	POWER AMP BOARD, COMPLETE (US, CND)	
24	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
25	4-812-134-11	RIVET NYLON, 3.5	
26	4-932-882-11	KNOB (HP. VOL)	
27	3-701-947-12	LABEL (T1.25A), FUSE (AEP, UK, G, IT, E, EA, AUS)	
	3-701-946-13	LABEL (2A 250V), FUSE (US, CND)	
	3-701-948-18	LABEL (T2.5A), FUSE (E, EA)	
28	* 1-535-706-11	PLUG, JUMPER (E, EA)	
29	* 1-533-213-31	HOLDER, FUSE	
30	7-682-547-04	SCREW +BVTT 3X6 (S)	
31	7-682-547-09	SCREW +BVTT 3X6 (S)	

SECTION 5

AUDIO | PANEL | VOLUME | CONNECTOR

ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF :μF
- COILS
  uH : μH

Ref. No.	Part No.	Description			Remarks
*	A-4341-577-A	PANEL BOARD, COMPLETE (AEP, UK, E, EA, AUS)			
*	A-4341-581-A	PANEL BOARD, COMPLETE (G, IT)			
*	A-4345-442-A	PANEL BOARD, COMPLETE (US, CND)			
		**********			
*	A-4341-582-A	AUDIO BOARD, COMPLETE (AEP, UK, AUS)			
*	A-4341-578-A	AUDIO BOARD, COMPLETE (E, EA)			
*	A-4341-593-A	AUDIO BOARD, COMPLETE (G, IT)			
*	A-4345-443-A	AUDIO BOARD, COMPLETE (US, CND)			
		**********			
*	1-638-539-11	CONNECTOR BOARD			
		**********			
*	1-638-551-11	VOLUME BOARD			
		**********			
*	4-932-810-11	CUSHION (FL)			
		〈 CAPACITOR 〉			
C201	1-124-907-11	ELECT	10uF	20%	50V
C202	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C203	1-124-907-11	ELECT	10uF	20%	50V
C204	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C205	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C206	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C207	1-164-346-11	CERAMIC CHIP	1uF		16V
C210	1-124-443-00	ELECT	100uF	20%	10V
C211	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C212	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C213	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C214	1-164-343-11	CERAMIC CHIP	0.056uF	10%	25V
C215	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C216	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C217	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C218	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C219	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C220	1-163-016-00	CERAMIC CHIP	0.0039uF	10%	50V
C221	1-163-014-00	CERAMIC CHIP	0.0027uF	10%	50V
C222	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C223	1-163-010-11	CERAMIC CHIP	0.0012uF	10%	50V
C224	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C251	1-124-907-11	ELECT	10uF	20%	50V
C252	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C253	1-124-907-11	ELECT	10uF	20%	50V
C254	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C255	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C256	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C257	1-164-346-11	CERAMIC CHIP	1uF		16V
C261	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C262	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C263	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C264	1-164-343-11	CERAMIC CHIP	0.056uF	10%	25V
C265	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C266	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C267	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C268	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C269	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C270	1-163-016-00	CERAMIC CHIP	0.0039uF	10%	50V
C271	1-163-014-00	CERAMIC CHIP	0.0027uF	10%	50V
C272	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C273	1-163-010-11	CERAMIC CHIP	0.0012uF	10%	50V
C274	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C291	1-124-443-00	ELECT	100uF	20%	10V
C292	1-124-443-00	ELECT	100uF	20%	10V
C293	1-124-443-00	ELECT	100uF	20%	10V
C294	1-124-443-00	ELECT	100uF	20%	10V
C295	1-124-443-00	ELECT	100uF	20%	10V
C301	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C302	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C311	1-164-346-11	CERAMIC CHIP	1uF		16V
C312	1-164-346-11	CERAMIC CHIP	1uF		16V
C313	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C321	1-136-165-00	FILM	0.1uF	5%	50V
C322	1-136-165-00	FILM	0.1uF	5%	50V
C323	1-124-903-11	ELECT	1uF	20%	50V
C325	1-124-907-11	ELECT	10uF	20%	50V
C326	1-124-907-11	ELECT	10uF	20%	50V
C327	1-124-443-00	ELECT	100uF	20%	10V
C341	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C342	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C343	1-124-443-00	ELECT	100uF	20%	10V
C351	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C352	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C371	1-136-165-00	FILM	0.1uF	5%	50V

AUDIO PANEL VOLUME CONNECTOR

Ref. No.	Part No.	Description			Remarks
C372	1-136-165-00	FILM	0.1uF	5%	50V
C373	1-124-903-11	ELECT	1uF	20%	50V
C375	1-124-907-11	ELECT	10uF	20%	50V
C376	1-124-907-11	ELECT	10uF	20%	50V
C501	1-124-443-00	ELECT	100uF	20%	10V
C502	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C503	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C511	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C512	1-124-443-00	ELECT	100uF	20%	10V
C513	1-124-443-00	ELECT	100uF	20%	10V
C521	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C522	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C523	1-162-294-31	CERAMIC CHIP	0.001uF	10%	50V
C524	1-162-294-31	CERAMIC CHIP	0.001uF	10%	50V
C525	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C526	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C527	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C528	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C542	1-124-477-11	ELECT	47uF	20%	25V
C551	1-124-443-00	ELECT	100uF	20%	10V
C552	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C553	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C554	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C555	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C556	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C557	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C591	1-124-443-00	ELECT	100uF	20%	10V
C592	1-124-907-11	ELECT	10uF	20%	50V
C593	1-124-907-11	ELECT	10uF	20%	50V
C601	1-124-907-11	ELECT	10uF	20%	50V
C602	1-124-907-11	ELECT	10uF	20%	50V
C603	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C604	1-124-472-11	ELECT	470uF	20%	10V
C605	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C651	1-124-907-11	ELECT	10uF	20%	50V
C652	1-124-907-11	ELECT	10uF	20%	50V
C653	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C654	1-124-472-11	ELECT	470uF	20%	10V
C655	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C911	1-124-563-11	ELECT	2200uF	20%	25V
C912	1-124-563-11	ELECT	2200uF	20%	25V
C913	1-136-165-00	FILM	0.1uF	5%	50V
C914	1-136-165-00	FILM	0.1uF	5%	50V
C920	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C921	1-164-346-11	CERAMIC CHIP	1uF		16V
C922	1-124-443-00	ELECT	100uF	20%	10V
C923	1-164-346-11	CERAMIC CHIP	1uF		16V
C924	1-124-443-00	ELECT	100uF	20%	10V
C925	1-164-346-11	CERAMIC CHIP	1uF		16V
C926	1-124-443-00	ELECT	100uF	20%	10V
C927	1-164-346-11	CERAMIC CHIP	1uF		16V
C928	1-124-443-00	ELECT	100uF	20%	10V
C929	1-164-346-11	CERAMIC CHIP	1uF		16V
C930	1-124-907-11	ELECT	10uF	20%	50V
C931	1-126-104-11	ELECT	470uF	20%	35V
C932	1-126-105-11	ELECT	1000uF	20%	35V
C933	1-124-477-11	ELECT	47uF	20%	25V
C934	1-124-477-11	ELECT	47uF	20%	25V
C941	1-124-122-11	ELECT	100uF	20%	50V
C942	1-124-907-11	ELECT	10uF	20%	50V
C943	1-124-907-11	ELECT	10uF	20%	50V
C951	1-124-122-11	ELECT	100uF	20%	50V
C952	1-124-907-11	ELECT	10uF	20%	50V
C953	1-124-907-11	ELECT	10uF	20%	50V
C954	1-163-035-00	CERAMIC CHIP	0.047uF		50V

〈 CONNECTOR 〉

CN201	* 1-566-154-11	CONNECTOR, BOARD TO BOARD 20P	
CN202	* 1-569-499-11	PIN, CONNECTOR 3P	
CN203	* 1-569-505-11	PIN, CONNECTOR 10P	
CN204	* 1-569-396-11	PIN, CONNECTOR 4P	
CN205	* 1-580-051-11	SOCKET, CONNECTOR 20P	
CN401	* 1-569-397-11	SOCKET, CONNECTOR 4P	
CN402	* 1-569-495-11	SOCKET, CONNECTOR 9P	
CN403	* 1-580-050-11	PIN, CONNECTOR 20P	
CN404	1-568-321-11	SOCKET, CONNECTOR 10P	
CN405	1-568-321-11	SOCKET, CONNECTOR 10P	
CN501	* 1-568-322-11	PLUG, CONNECTOR 10P	
CN502	* 1-568-322-11	PLUG, CONNECTOR 10P	
CN503	* 1-568-318-11	PLUG, CONNECTOR 6P	
CN591	1-568-317-11	SOCKET, CONNECTOR 6P	

〈 DIODE 〉

D291	8-719-990-36	DIODE	DCA010
D294	8-719-990-36	DIODE	DCA010
D311	8-719-990-36	DIODE	DCA010
D312	8-719-990-36	DIODE	DCA010
D331	8-719-990-36	DIODE	DCA010
D341	8-719-990-36	DIODE	DCA010
D342	8-719-990-36	DIODE	DCA010
D501	8-719-990-36	DIODE	DCA010
D502	8-719-990-36	DIODE	DCA010
D503	8-719-990-36	DIODE	DCA010
D504	8-719-990-36	DIODE	DCA010
D505	8-719-990-36	DIODE	DCA010
D550	8-719-313-71	DIODE	SEL8867B
D551	8-719-990-36	DIODE	DCA010
D571	8-719-301-37	DIODE	SEL2210S-CD
D572	8-719-301-37	DIODE	SEL2210S-CD
D573	8-719-301-37	DIODE	SEL2210S-CD
D574	8-719-301-37	DIODE	SEL2210S-CD
D575	8-719-301-37	DIODE	SEL2210S-CD
D576	8-719-301-37	DIODE	SEL2210S-CD
D591	8-719-990-36	DIODE	DCA010

When indicating parts by reference number, please include the board name.

AUDIO PANEL VOLUME CONNECTOR

Ref. No.	Part No.	Description	Remarks
D911	8-719-210-33	DIODE EC10DS2	
D912	8-719-210-33	DIODE EC10DS2	
D913	8-719-210-33	DIODE EC10DS2	
D914	8-719-210-33	DIODE EC10DS2	
D931	8-719-210-33	DIODE EC10DS2	
D932	8-719-210-33	DIODE EC10DS2	
D933	8-719-106-79	DIODE RD13M-B1	
D941	8-719-210-33	DIODE EC10DS2	
D942	8-719-118-15	DIODE RD36M-B	
D951	8-719-210-33	DIODE EC10DS2	
D952	8-719-118-09	DIODE RD30M-B	
D953	8-719-105-82	DIODE RD5.1M-B2	
		⟨ INDICATOR ⟩	
FL501	1-519-649-11	INDICATOR TUBE, FLUORESCENT	
		⟨ IC ⟩	
IC201	8-759-636-57	IC CXA1492Q	
IC301	8-759-636-55	IC M5218AFP	
IC303	8-759-636-55	IC M5218AFP	
IC304	8-759-516-41	IC CD4052BCM	
IC305	8-759-300-71	IC HD14053BFP	
IC501	8-759-153-02	IC uPD78134-D29-3B9	
IC502	8-759-500-31	IC X24C01P	
IC503	8-759-516-41	IC CD4052BCM	
IC504	8-759-991-11	IC XR1091DCP	
IC505	8-759-512-44	IC SN755703	
IC506	8-759-512-44	IC SN755703	
IC507	8-759-636-56	IC M66311FP	
IC508	8-759-925-74	IC SN74HC04ANS	
IC591	8-759-820-62	IC LB1639	
IC601	8-759-636-55	IC M5218AFP	
IC901	8-759-823-46	IC LA5603	
		⟨ CHIP JUMPER ⟩	
JR2	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR4	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR6	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR7	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR10	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR12	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR204	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR254	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR501	1-216-295-00	METAL CHIP 0 5% 1/10W(US, CND)	
JR502	1-216-295-00	METAL CHIP 0 5% 1/10W (Except US, CND)	
JR503	1-216-295-00	METAL CHIP 0 5% 1/10W (Except US, CND)	
JR504	1-216-295-00	METAL CHIP 0 5% 1/10W(US, CND)	
JR701	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR751	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR911	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR912	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR913	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR915	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR916	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR917	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR918	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR919	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR920	1-216-296-00	METAL CHIP 0 5% 1/8W	
JR922	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR923	1-216-295-00	METAL CHIP 0 5% 1/10W	
		⟨ TRANSISTOR ⟩	
Q292	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q293	8-729-216-22	TRANSISTOR 2SA1162-G	
Q311	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q312	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q321	8-729-107-43	TRANSISTOR 2SC3624-L18	
Q322	8-729-805-67	TRANSISTOR 2SA1342	
Q323	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q341	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q342	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q371	8-729-107-43	TRANSISTOR 2SC3624-L18	
Q373	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q501	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q502	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q921	8-729-805-43	TRANSISTOR 2SC3396	
Q931	8-729-209-15	TRANSISTOR 2SD2012	
Q932	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q941	8-729-808-01	TRANSISTOR 2SD1622-S	
Q951	8-729-820-86	TRANSISTOR 2SB1121-ST	
		⟨ RESISTOR ⟩	
R201	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R202	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R203	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R206	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R207	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R208	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R211	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R212	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R213	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R214	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R215	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R216	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R217	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R251	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R252	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R253	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R256	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R257	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R258	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R261	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R262	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R263	1-216-121-00	METAL CHIP 1M 5% 1/10W	

When indicating parts by reference number, please include the board name.

AUDIO PANEL VOLUME CONNECTOR

Ref. No.	Part No.	Description				Remarks
R264	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R265	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R266	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R267	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R291	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R292	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R301	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R302	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R304	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R311	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R312	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R313	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R314	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R315	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R316	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R317	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R318	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R321	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R322	1-216-109-00	METAL CHIP	330K	5%	1/10W	
R323	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R324	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R325	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R326	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R327	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R328	1-216-041-00	METAL CHIP	470	5%	1/10W	
R329	1-216-025-00	METAL CHIP	100	5%	1/10W	
R330	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R331	1-216-025-00	METAL CHIP	100	5%	1/10W	
R332	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R333	1-216-748-11	METAL CHIP	39K	5%	1/10W	
R334	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R341	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R342	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R343	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R344	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R345	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R346	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R347	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R348	1-216-041-00	METAL CHIP	470	5%	1/10W	
R349	1-216-025-00	METAL CHIP	100	5%	1/10W	
R351	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R352	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R354	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R371	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R372	1-216-109-00	METAL CHIP	330K	5%	1/10W	
R373	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R374	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R375	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R376	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R377	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R378	1-216-041-00	METAL CHIP	470	5%	1/10W	
R379	1-216-025-00	METAL CHIP	100	5%	1/10W	
R380	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R381	1-216-025-00	METAL CHIP	100	5%	1/10W	
R382	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R383	1-216-748-11	METAL CHIP	39K	5%	1/10W	
R384	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R391	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R398	1-216-041-00	METAL CHIP	470	5%	1/10W	
R399	1-216-025-00	METAL CHIP	100	5%	1/10W	
R501	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R502	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R503	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R504	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R505	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R506	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R507	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R511	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R512	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R513	1-216-009-00	METAL CHIP	22	5%	1/10W	
R521	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R522	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R523	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R524	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R525	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R526	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R527	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R528	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R530	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R531	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R532	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R533	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R534	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R535	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R536	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R537	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R538	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R539	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R540	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R541	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R542	1-216-041-00	METAL CHIP	470	5%	1/10W	
R551	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R552	1-216-041-00	METAL CHIP	470	5%	1/10W	
R553	1-216-045-00	METAL CHIP	680	5%	1/10W	
R554	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R555	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R561	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R562	1-216-041-00	METAL CHIP	470	5%	1/10W	
R563	1-216-045-00	METAL CHIP	680	5%	1/10W	
R564	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R565	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R566	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R571	1-216-045-00	METAL CHIP	680	5%	1/10W	
R572	1-216-045-00	METAL CHIP	680	5%	1/10W	

When indicating parts by reference number, please include the board name.

AUDIO **PANEL** **VOLUME** **CONNECTOR** **POWER SUPPLY**
POWER AMP **TRANSFORMER(A)** **TRANSFORMER(B)** **JACK**
TRANSFORMER(C) **SPEAKER** **CONNECTOR(A)** **CONNECTOR(B)**

Ref. No.	Part No.	Description				Remarks
R573	1-216-045-00	METAL CHIP	680	5%	1/10W	
R574	1-216-045-00	METAL CHIP	680	5%	1/10W	
R575	1-216-045-00	METAL CHIP	680	5%	1/10W	
R576	1-216-045-00	METAL CHIP	680	5%	1/10W	
R577	1-216-037-00	METAL CHIP	330	5%	1/10W	
R581	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R582	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R583	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R584	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R585	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R586	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R587	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R588	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R591	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R592	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R593	1-216-043-00	METAL CHIP	560	5%	1/10W	
R594	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R601	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R602	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R603	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R604	1-216-295-00	METAL CHIP	0	5%	1/10W	
R606	1-216-021-00	METAL CHIP	68	5%	1/10W	
R651	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R652	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R653	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R654	1-216-017-00	METAL CHIP	47	5%	1/10W	
R923	1-216-025-00	METAL CHIP	100	5%	1/10W	
R931	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R932	1-216-025-00	METAL CHIP	100	5%	1/10W	
R933	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R934	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R941	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R951	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R952	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R953	1-216-025-00	METAL CHIP	100	5%	1/10W	
		⟨ VARIABLE RESISTOR ⟩				
RV591	1-241-418-11	RES, VAR, CARBON 10K (VOLUME)				
		⟨ SWITCH ⟩				
S551	1-572-198-11	SWITCH, KEY BOARD (SYSTEM POWER)				
S552	1-572-198-11	SWITCH, KEY BOARD (FUNCTION >)				
S553	1-572-198-11	SWITCH, KEY BOARD (FUNCTION <)				
S554	1-572-198-11	SWITCH, KEY BOARD (WAKE UP)				
S555	1-572-198-11	SWITCH, KEY BOARD (DISPLAY)				
S561	1-572-198-11	SWITCH, KEY BOARD (DIRECT)				
S562	1-572-198-11	SWITCH, KEY BOARD (EQ)				
S563	1-572-198-11	SWITCH, KEY BOARD (S-SUR)				
S564	1-572-198-11	SWITCH, KEY BOARD (DBFB)				
S565	1-572-198-11	SWITCH, KEY BOARD (PRESET ▷)				
S567	1-572-198-11	SWITCH, KEY BOARD (PRESET ◁)				
		⟨ CRYSTAL ⟩				
X501	1-577-364-11	VIBRATOR, CERAMIC (12MHz)				
**********						
	* A-4341-583-A	POWER SUPPLY BOARD, COMPLETE (AEP, UK, AUS)				
	* A-4341-579-A	POWER SUPPLY BOARD, COMPLETE (E)				
	* A-4341-594-A	POWER SUPPLY BOARD, COMPLETE (G, IT)				
	* A-4341-844-A	POWER SUPPLY BOARD, COMPLETE (US, CND)				
	* A-4345-699-A	POWER SUPPLY BOARD, COMPLETE (EA)				
		**********				
	* A-4345-441-A	POWER AMP BOARD, COMPLETE (AEP, UK, AUS)				
	* A-4341-571-A	POWER AMP BOARD, COMPLETE (E, EA)				
	* A-4345-438-A	POWER AMP BOARD, COMPLETE (G, IT)				
	* A-4345-763-A	POWER AMP BOARD, COMPLETE (US, CND)				
		**********				
	* 1-638-553-11	TRANSFORMER (C) BOARD				
		**********				
	* 1-638-555-11	TRANSFORMER (A) BOARD				
		**********				
	* 1-638-556-11	TRANSFORMER (B) BOARD				
		**********				
	* 1-638-558-11	JACK BOARD				
		**********				
	* 1-638-559-11	SPEAKER BOARD				
		**********				
	* 1-638-560-11	CONNECTOR (A) BOARD				
		**********				
	* 1-638-561-11	CONNECTOR (B) BOARD				
		**********				
	* 1-533-213-31	HOLDER, FUSE				
		⟨ CAPACITOR ⟩				
C401	1-162-282-31	CERAMIC	100PF	10%	50V	
C451	1-162-282-31	CERAMIC	100PF	10%	50V	
C605	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C611	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C612	1-124-903-11	ELECT	1uF	20%	50V	
C613	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C614	1-124-120-11	ELECT	220uF	20%	25V	
C615	1-124-464-11	ELECT	0.22uF	20%	50V	
C616	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C617	1-124-903-11	ELECT	1uF	20%	50V	
C618	1-124-903-11	ELECT	1uF	20%	50V	
C620	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C655	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C701	1-126-176-11	ELECT	220uF	20%	10V	
C702	1-126-176-11	ELECT	220uF	20%	10V	

When indicating parts by reference number, please include the board name.

POWER SUPPLY | POWER AMP | TRANSFORMER(A) | TRANSFORMER(B) | JACK | TRANSFORMER(C) | SPEAKER | CONNECTOR(A) | CONNECTOR(B)

Ref. No.	Part No.	Description				Remarks
C704	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C705	1-161-494-00	CERAMIC	0.022uF		25V	
C706	1-124-927-11	ELECT	4.7uF	20%	100V	
C707	1-124-478-11	ELECT	100uF	20%	25V	
C801	1-124-907-11	ELECT	10uF	20%	50V	
C802	1-162-290-31	CERAMIC	470PF 10%	50V	(Except G, IT)	
C803	1-124-122-11	ELECT	100uF	20%	35V	
C804	1-162-282-31	CERAMIC	100PF	10%	50V	
C806	1-124-910-11	ELECT	47uF	20%	50V	
C807	1-124-122-11	ELECT	100uF	20%	50V	
C809	1-126-233-11	ELECT	22uF	20%	50V	
C810	1-136-165-00	FILM	0.1uF	5%	50V	
C812	1-136-165-00	FILM	0.1uF	5%	50V	
C813	1-136-165-00	FILM	0.1uF	5%	50V	
C814	1-164-095-11	CERAMIC	0.01uF	10%	16V (G, IT)	
C816	1-126-233-11	ELECT	22uF	20%	50V	
C851	1-124-907-11	ELECT	10uF	20%	50V	
C852	1-162-290-31	CERAMIC	470PF 10%	50V	(Except G, IT)	
C853	1-124-122-11	ELECT	100uF	20%	35V	
C854	1-162-282-31	CERAMIC	100PF	10%	50V	
C856	1-124-910-11	ELECT	47uF	20%	50V	
C860	1-136-165-00	FILM	0.1uF	5%	50V	
C863	1-136-165-00	FILM	0.1uF	5%	50V	
C866	1-126-233-11	ELECT	22uF	20%	50V	
C891	1-136-165-00	FILM	0.1uF	5%	50V (G, IT)	
C892	1-136-165-00	FILM	0.1uF	5%	50V (G, IT)	
C901	1-126-224-11	ELECT	4700uF	20%	42V	
C902	1-126-224-11	ELECT	4700uF	20%	42V	
C903	1-136-171-00	FILM	0.33uF	5%	50V	
C904	1-136-171-00	FILM	0.33uF	5%	50V	

〈 CONNECTOR 〉

CN411	*	1-580-739-11	SOCKET, CONNECTOR 15P
CN412	*	1-580-740-11	SOCKET, CONNECTOR 17P
CN413		1-563-314-11	CONNECTOR, BOARD TO BOARD 20P
CN601	*	1-569-504-11	PIN, CONNECTOR 9P
CN701		1-563-310-11	CONNECTOR, BOARD TO BOARD 8P
CN801		1-569-499-21	PIN, CONNECTOR 3P
CN802	*	1-569-505-11	PIN, CONNECTOR 10P
CN811		1-569-490-11	SOCKET, CONNECTOR 3P
CN812		1-569-490-11	SOCKET, CONNECTOR 3P
CN821	*	1-569-496-11	SOCKET, CONNECTOR 10P
CN822	*	1-569-496-11	SOCKET, CONNECTOR 10P
CN831	*	1-569-505-11	PIN, CONNECTOR 10P
CN832	*	1-566-123-11	CONNECTOR, BOARD TO BOARD 8P
CN901	⚠	1-526-930-11	INLET, AC (US, CND, E)
CN901	⚠	1-526-931-11	INLET, AC (Except US, CND, E)
CN902	*	1-580-940-11	PIN, CONNECTOR 4P
CN903	*	1-580-940-11	PIN, CONNECTOR 4P (E, EA)
CN904	*	1-569-502-11	PIN, CONNECTOR 7P
CN911	*	1-580-939-11	SOCKET, CONNECTOR 4P
CN912	*	1-580-939-11	SOCKET, CONNECTOR 4P (E, EA)
CN913	*	1-569-493-11	SOCKET, CONNECTOR 7P
CN914	*	1-569-502-11	PIN, CONNECTOR 7P
CN921	*	1-569-502-11	PIN, CONNECTOR 7P
CN922	*	1-569-496-11	SOCKET, CONNECTOR 10P
CN931	*	1-569-493-11	SOCKET, CONNECTOR 7P
CN932	*	1-569-493-11	SOCKET, CONNECTOR 7P

〈 DIODE 〉

D701	8-719-912-20	DIODE	1SS120
D801	8-719-912-20	DIODE	1SS120
D811	8-719-912-20	DIODE	1SS120
D851	8-719-912-20	DIODE	1SS120
D901	8-719-312-09	DIODE	RBA-402
D902	8-719-912-20	DIODE	1SS120
D903	8-719-912-20	DIODE	1SS120

〈 FUSE 〉

F402	⚠	1-532-782-21	FUSE, MICRO (SECONDARY) 4A (US, CND)
F403	⚠	1-532-782-21	FUSE, MICRO (SECONDARY) 4A (US, CND)
F901	⚠	1-532-285-00	FUSE T1.25A (Except US, CND)
F901	⚠	1-576-104-11	FUSE 2A (US, CND)
F902	⚠	1-532-286-00	FUSE T2.5A (E, EA)
F911	⚠	1-532-783-21	FUSE, MICRO (SECONDARY) 5A (US, CND)
F912	⚠	1-532-783-21	FUSE, MICRO (SECONDARY) 5A (US, CND)

〈 IC 〉

IC701	8-759-111-68	IC	uPC1237HA
IC801	8-749-900-96	IC	STK4142MK2 (Except US, CND)
IC801	8-749-920-09	IC	STK4152MK2 (US, CND)

〈 IC LINK 〉

ICP402	⚠	1-532-845-21	LINK, IC (Except US, CND)
ICP403	⚠	1-532-845-21	LINK, IC (Except US, CND)
ICP911	⚠	1-532-846-21	LINK, IC (Except US, CND)
ICP912	⚠	1-532-846-21	LINK, IC (Except US, CND)

〈 JACK 〉

J401	1-565-304-11	JACK, PIN 4P (E, EA)	
J402	1-569-662-11	JACK, PIN 1P	
J601	1-562-837-21	JACK	
J611	1-562-837-21	JACK	

〈 COIL 〉

L801	*	1-420-872-00	COIL, AIR CORE
L851	*	1-420-872-00	COIL, AIR CORE

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When indicating parts by reference number, please include the board name.

POWER SUPPLY | POWER AMP | TRANSFORMER(A) | TRANSFORMER(B) | JACK | TRANSFORMER(C) | SPEAKER | CONNECTOR(A) | CONNECTOR(B)

Ref. No.	Part No.	Description	Remarks
		〈 LINE FILTER 〉	
LF901 ⚠	1-424-485-11	FILTER, LINE (G, IT)	
		〈 TRANSISTOR 〉	
Q611	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q612	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q801	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q851	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
		〈 RESISTOR 〉	
R401	1-249-417-11	CARBON 1K 5% 1/4W	
R451	1-249-417-11	CARBON 1K 5% 1/4W	
R605	1-249-405-11	CARBON 100 5% 1/4W	
R606	1-249-429-11	CARBON 10K 5% 1/4W	
R611	1-249-429-11	CARBON 10K 5% 1/4W	
R612	1-249-417-11	CARBON 1K 5% 1/4W	
R613	1-249-429-11	CARBON 10K 5% 1/4W	
R614	1-249-441-11	CARBON 100K 5% 1/4W	
R615	1-249-429-11	CARBON 10K 5% 1/4W	
R616	1-249-429-11	CARBON 10K 5% 1/4W	
R617	1-249-441-11	CARBON 100K 5% 1/4W	
R618	1-249-441-11	CARBON 100K 5% 1/4W	
R619	1-247-903-00	CARBON 1M 5% 1/4W	
R620	1-249-441-11	CARBON 100K 5% 1/4W	
R655	1-249-405-11	CARBON 100 5% 1/4W	
R701	1-249-433-11	CARBON 22K 5% 1/4W	
R702	1-249-441-11	CARBON 100K 5% 1/4W	
R703	1-249-433-11	CARBON 22K 5% 1/4W	
R704	1-249-433-11	CARBON 22K 5% 1/4W	
R705	1-249-429-11	CARBON 10K 5% 1/4W	
R706	1-249-437-11	CARBON 47K 5% 1/4W	
R801	1-249-417-11	CARBON 1K 5% 1/4W	
R802	1-249-437-11	CARBON 47K 5% 1/4W	
R803	1-249-414-11	CARBON 560 5% 1/4W	
R804	1-249-437-11	CARBON 47K 5% 1/4W	
R805	1-247-756-11	CARBON 2.2K 5% 1/2W	
R806	1-247-756-11	CARBON 2.2K 5% 1/2W	
R807 ⚠	1-212-881-11	FUSIBLE 100 5% 1/4W	F
R808 ⚠	1-212-881-11	FUSIBLE 100 5% 1/4W	F
R809 ⚠	1-217-151-00	RES, METAL PLATE 0.22 2W	
R810	1-247-752-11	CARBON 1K 5% 1/2W	
R811	1-247-752-11	CARBON 1K 5% 1/2W	
R812 ⚠	1-212-958-00	FUSIBLE 10 5% 1/2W	F
R813	1-249-417-11	CARBON 1K 5% 1/4W	
R814	1-249-431-11	CARBON 15K 5% 1/4W	
R815	1-249-441-11	CARBON 100K 5% 1/4W	
R816	1-249-438-11	CARBON 56K 5% 1/4W	
R851	1-249-417-11	CARBON 1K 5% 1/4W	
R852	1-249-437-11	CARBON 47K 5% 1/4W	
R853	1-249-414-11	CARBON 560 5% 1/4W	
R854	1-249-437-11	CARBON 47K 5% 1/4W	
R855	1-247-756-11	CARBON 2.2K 5% 1/2W	
R856	1-247-756-11	CARBON 2.2K 5% 1/2W	
R859 ⚠	1-217-151-00	RES, METAL PLATE 0.22 2W	
R862 ⚠	1-212-958-00	FUSIBLE 10 5% 1/2W	F
R863	1-249-417-11	CARBON 1K 5% 1/4W	
R864	1-249-431-11	CARBON 15K 5% 1/4W	
R865	1-249-441-11	CARBON 100K 5% 1/4W	
R866	1-249-437-11	CARBON 47K 5% 1/4W	
R876 ⚠	1-212-881-11	FUSIBLE 100 5% 1/4W	F
R891 ⚠	1-244-825-00	CARBON 10 5% 1/2W	(G, IT)
R892 ⚠	1-244-825-00	CARBON 10 5% 1/2W	(G, IT)
R901 ⚠	1-202-725-00	SOLID 3.3M 10% 1/2W	(US, CND)
R902	1-249-429-11	CARBON 10K 5% 1/4W	
R903 ⚠	1-212-881-11	FUSIBLE 100 5% 1/4W	F
R921 ⚠	1-212-857-00	FUSIBLE 10 5% 1/4W	F
R925	1-216-089-00	METAL CHIP 47K 5% 1/10W	
		〈 VARIABLE RESISTOR 〉	
RV611	1-241-140-11	RES, VAR, CARBON 10K (MIC LEVEL)	
		〈 RELAY 〉	
RY801	1-515-533-11	RELAY	
RY901	1-515-626-11	RELAY	
		〈 VOLTAGE SELECTOR 〉	
S901 ⚠	1-572-009-11	SELECTOR, VOLTAGE (E, EA)	
		〈 TERMINAL BOARD 〉	
TB801	1-537-276-21	TERMINAL BOARD (SP)	
		〈 TRANSFORMER 〉	
T1 ⚠	1-450-380-11	TRANSFORMER, POWER (AEP, G, IT)	
T1 ⚠	1-450-381-11	TRANSFORMER, POWER (UK, AUS)	
T1 ⚠	1-450-382-11	TRANSFORMER, POWER (E, EA)	
T1 ⚠	1-450-383-11	TRANSFORMER, POWER (US, CND)	
**********		**********	
		MISCELLANEOUS	
		**********	
*	1-535-706-11	PLUG, JUMPER (E, EA)	
	1-533-213-31	HOLDER, FUSE	

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